



SEQUENCE LISTING

<110> Long, Gordon G.
Clark, Hilary
Fechtel, Kim
Agostino, Michael J.
Howes, Steven H.
Resnick, Richard J.
Gulukota, Kamalakar
Graham, James R.
Genetics Institute, Inc.

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<141> March 29, 2001

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<212> DNA

<213> Homo sapiens

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<211> 1880

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 1364

<212> DNA

<213> Homo sapiens

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<210> 21
 <211> 1268
 <212> DNA
 <213> Homo sapiens

<400> 21

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<210> 22
 <211> 1204
 <212> DNA
 <213> Homo sapiens

<400> 22

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<210> 23

<211> 1728

<212> DNA

<213> Homo sapiens

<400> 23

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```

<210> 24

<211> 895

<212> DNA

<213> Homo sapiens

<400> 24

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<210> 25

<211> 927

<212> DNA

<213> Homo sapiens

<400> 25

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<210> 26

<211> 468

<212> DNA

<213> Homo sapiens

<400> 26

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<210> 27

<211> 488

<212> DNA

<213> Homo sapiens

<400> 27


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cgcgcgccaa gatccattcg ttgccgccgg aggggaagct tgggatcatg gaattggccg 180
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488

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<210> 28

<211> 1502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 758

<223> n = a,c,t, or g

<400> 28

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1502

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<210> 29

<211> 503

<212> DNA

<213> Homo sapiens

<400> 29

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<210> 30
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 30
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<210> 31
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 31
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<210> 32
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 32
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<210> 33
 <211> 1344
 <212> DNA
 <213> Homo sapiens

<400> 33
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<210> 34
 <211> 496
 <212> DNA
 <213> Homo sapiens

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<400> 34
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actccatctt ctctatctta gttccaagtt ttagttttca atcccaatta taccaattcc 240
attgttattt taagaaaaaa ccttcccagt tattgtcaga aactatgatt tagcttacc 300
cctccactac ccagcaaact acagagagga tggagtgtaa tatgagcagt acagagtctt 360
aatgcaattc atgaggacca cttagtcctt acatgaatct ggttgctaac atttctatta 420
tattgtgaca atgactcccg actgttattc tctgtgagaa atggggggag taaattctta 480
ataaaagact tagaaa

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<210> 35
 <211> 478
 <212> DNA
 <213> Homo sapiens

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<400> 35
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caagcaaagg tggctctcgc ggaggtgatc caggcgttct ccgccccgga gaatgcagtg 120
cgcatggacg aggctcggga taacgcctgc aacgacatgg gtaagatgct gcaattcgtg 180
ctgcccgtgg ccacgcagat ccagcaggag gttatcaaag cctatggctt cagctgcgac 240
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atcgccagcc tgtcaggcaa gctgaaggcg ctgtttctgc cgcccatgac cctgccaccc 360
catgggctg ctgctggtgg cagcgtggcc gectcctgag agttggccct cccttgtgcc 420
actgccaggg gaggaaggc cttgatgttc cagacaataa taaatgcgcc tgtgactg 478

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<210> 36
 <211> 811
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 725

<223> n = a,c,t, or g

<400> 36

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ttgtcctgat actgctgggtg ctgggctggg tccagccttc cctgggcaag gaatcccggg 120
ccaagaaatt ccagcggcag catatggact cagacagttc ccccagcagc agctccacct 180
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cctttgtgca cgagcccctg gtagatgtcc agaatgtctg tttccaggaa aaggtcacct 300
gcaagaacgg gcagggcaac tgctacaaga gcaactccag catgcacatc acagactgcc 360
gcctgacaaa cggctccagg taccccaact gtgcataccg gaccagcccg aagagagaca 420
catcattgtg gcctgtgaag ggagcccata tgtgccagtc cactttgatg cttctgtgga 480
ggactctacc taaggtcaga gcagcgagat accccacctc cctcaacctc atcctctcca 540
cagctgcctc ttcctctctc cttccctgct gtgaaagaag taactacagt tagggctcct 600
attcaacaca cacatgcttc ctttctctga gtcccatccc tgcgtgattt tgggggtgaa 660
gagtgggttg tgaggtgggc cccatgttaa cccctccact ctttctttca ataaaacgcg 720
gttgnccccc caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa g

```

<210> 37

<211> 409

<212> DNA

<213> Homo sapiens

<400> 37

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cttgcgccga cactcggggc ccaactcaagg atgtagggcc ttttctggcc cctgaccctc 60
ccctggcatg ggagcgtggg gacggggctg gccttgggag gagcggcagg ggcacacact 120
ccttctgctg cttctccctg ctctaccct caagggcctg ggggctgccc agctgcctct 180
atgcccttct gggggtctca gccactgct gacacttctg caatccagag aaacactaaa 240
taaagcaata cgtgtttgcc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagt

```

<210> 38

<211> 670

<212> DNA

<213> Homo sapiens

<400> 38

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aaaaagtaaa agaatgaggt agaccttaat aataacctct gtttgttctt tattttttaga 60
tgggtcatat ttctctatga tcgtatttgt ttaaaaatta ttctgatttt tcagcctgca 120
ggtcaggagt catcttttcc cccttctggg cagtatcctt atcctagtgg ctttctctca 180
atgggaggag gtgcctaccc acaagtgcc aagtagtggt acccaggagc tggaggctac 240
cctgcgcctg gaggttatcc agccctggag gctatcctgg tgccccacag ccagggggag 300
ctccatccta tcccggaggt gagttacggg ttgcgggaatt agtaatgatt gggattgctg 360
tagcactttt tcttctctcc ttatctctct tcattcctgc ttgttttgta taaggccaag 420
tcgctcttag gtaaccttag gtagtaagga cctagctggc aagatggagg gatgaagatt 480
ctctggggac atgaaagctg ggagcagttt caaaaattcc actgtgaagg gacttggaat 540
aaatttcatg gcaataaagg accaatatgt aacactttgc ttgtttgtag tcttaagacc 600
tgattaagac atttcaatta gcaagactgt gacctttagg tcagctttat tcaaaggtaa 660
aaaagacccc

```

<210> 39

<211> 1095

<212> DNA

<213> Homo sapiens

<400> 39

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ggggaacaca ggtctgcagc aacttctcct tgccctctac atatttgtaa agtgcctctc 60
ctgtgccagg cactgttctg ggctctgggg atgtgtaatg aacttctgga tagatttccc 120
cagtagagga gaaacacctg ctttcaaata cacaaaggaa gtgttgagtt gttgcccggc 180
tgtgattggg ggaaggcatc tcttgggcag tgaagctgag acctcaggct gtggccgtgg 240

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```

catccacgct ccaggaggat ggaagatgca actcgtattc cagacctgtt cccatctccc 300
cttctgattc tcttttctcc cagggaagtt agttgtgggt tgatttcatt tatgttttcc 360
aaaccattca cttactgagt cctgcctgag tgccagacac tgtgccgaca gcttaccctg 420
aataagctaa tagacgatga tcctaagtct ccccatgcca cgggttgtgg atccccgatg 480
ctgtggatcg ggaagctgag gcttaggggt cccctgtgga aggagccgga acctgacctt 540
ggctctgtac ctcggcaccc cagagccccc ctgcctgccc tgaggagctc ttataaaaag 600
ttttaaaatt aatttttaat tacatgaata ttgcaggagg atattctctc tataaaaaat 660
taagacatta cagtgaaggc taaagccccc tgtggtcctt ctaatctcag tagagaggtc 720
ctggtagaaa gcacagtttt ctatgctggg tgtccatcca gacattttaa aaatatgtac 780
atatttatac atgtctgtat ctatggaaaa tatatgggtc cattttgtgt ctgggtattt 840
tcattctatt tttagaaaat acaaattgga acattctgca gcttttctac tcagcagtgt 900
ttcttttctt tcctctgttt ttttagaagg aataaatatt taataaata tcactggaaa 960
taaaccactg aagcagaagt cttctagcat tttgttttta caggactttt tgacgaaatc 1020
gcttaaagca atatattttt tttttcaaaa gactggaaat ctttttttaa aaaaagaaaa 1080
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```

<210> 40
 <211> 847
 <212> DNA
 <213> Homo sapiens

```

<400> 40
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tccacgtagt taacattcca ctgctcagct ctgttttttt cctcttctac agaaacctgt 180
cttttatctt ctaaattctga ttgtttacca accagtagaa atggaacatt ctcattctct 240
tttactctta aaatctgctc cctgaagtca gctgtagctg caaaggattc catttctgta 300
atagagaaaa cacagaggaa cccctcccca ctctggaagt agttgtctct aattgcagcg 360
tagtcctcct gccagctgt atctaagata tcgatctgga ctctctcccc atctagcact 420
accttcttcc gatagctgtc tgcttttggt ggctcatagt cctccacaaa ctcatcgta 480
atgaactgta gagtcagagc tgacttgccc acgccaccac tgcccaccat gatgactttg 540
tgtaaagcca aagaattctg acccttgggc ttatttgcag ccattttgtg tctcagtttt 600
caccaaagga ttaagaagaa tctgcaccgc gagccagtcc gccgccccga gggctccgga 660
agccgcggct gcgtggctcc ggccggaggg tactcggtcc ttgtcgctg gaaggccccg 720
cgccgggagc ggtcgaagga ggagtctgac ggggtggcgg ggagcctggg cggctggagg 780
aggaggagga ggaggaggag aaggaggagg aggactccga cgctttgctc tggggagatc 840
ttagaaa 847

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<210> 41
 <211> 764
 <212> DNA
 <213> Homo sapiens

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<400> 41
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atcaacatca aagatacctg tttctgttct ctcttaccct gtccacagaa cttttgcgac 120
tttcaggacc agtcatgcag cagtcccagc agccccagcc tctacagaag cagccaccac 180
agccccagca gcagcagaga cccagcagc agcagccaca tcacctcag acagagtctg 240
tcaactctta ttctgcttct ggatccacca atccatacat gagacggccg ctttgctttt 300
tttttttttt tttttttttt ttttttggtc agggctctct tctgtcacc aggctggagt 360
gcagtggcac aatcatggct cactgcagcc tcgactttcc gggctccagc aatcctcaa 420
cctcagcctc ctgagtagct gggactacag gtgcctgcca ccatgcccgg ctaagttttg 480
tatttttggg agagatgggg ttttaccatg ctgcccagag tgggtctcaa ctcttaagct 540
caagtgatcc acccaccttg gcctcccaaa gtgctgggat cacaggcatg agccaccgaa 600
cctggctatt attatcttaa aaaaaaacia cagtttatta taaatgtttt aagcaatcaa 660
tacatcacta ggtttaacaa ttactagcat tcttcatgcc aaagatctta aaggacatcc 720
tagacttcgt ggcaaactat ataaggcaag taacacctta gaaa 764

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<210> 42
 <211> 788
 <212> DNA

<213> Homo sapiens

<400> 42

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tttcttttta ttattttata atttttgaaa tagagatggg gtctcactgt gttgcccagg 60
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ttacaggcgg gagccactga gccagccaa gacttcagtg ttgactgctt tggaggcaca 180
aaccatgca agcgtaggtt ccaaagttca gtgtgtaccc ttaaatgaac aatgaagcag 240
gtaaaattac ccttgaaaaa aatcccttgg accacccata aatgacagtg actttttcaa 300
tatggactca tcatagccag ttttcctttt gaagttggaa ctgatcacc ttttgtcatc 360
tgtaccagat cagtagttgg cttgtgttac attttgtgtg tgtgtgtgcg tgttttaaac 420
cagtgcataa aaattgtatg ttaaatgtaa gtaactttaa gttgacttat ctcttcacag 480
taatcaagcc tcacgtaatt catgcttttt aaattcagcc agccccccct ctctgaaatt 540
ttattatgta aataatttgt gttccctgat cactcgttta agttcttagt tgtatgtcat 600
ctcttctcta gcaggaattg gcaaactttt ttgtaaaggg gtagaaagtg aagatttttag 660
gctttgcagg ccataatagcc tctgctgcaa atgctcagcc ctgctgttgt aatgtaaaag 720
ctgccacaga cactacatga acacgaatga gtgtggctgg tgttccaata aaactttatt 780
taccacca

```

<210> 43

<211> 575

<212> DNA

<213> Homo sapiens

<400> 43

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tttttttttt tttttttttt tttttttttt ttttggaggg gctctctgta tcttttatct 60
ccggcagggg cagcggccct ccagggcccg gtctcgagcg atgactgcct cctcgaactt 120
gatcatgagc gtggtgcctt tgtgccagtg cgcggtgacc ttggcaggga agcgctgtg 180
tgtgagcacc gcctccacga tgcccgccgt gaagctggcg cagttgagcg tgctgttctc 240
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cgcgctcatc ttggcctgct ccagcttgtc cgctccttg ccgaagagcg ccttccacac 360
ggcgcccttg acgaagagca acgcgcctag cgcttggtc tcacgcggg cacccttttc 420
gcgcgccacc agcgcatcca gcacgcgcgc gccacctgg cggcccagcg cggccaggcg 480
cgactgcagc tcggccacgg agaagacgcg gctctggcag tgctgtacca gctcggagaa 540
cagcagtgcg aaggcgctca ggctcacctc ggtgc

```

<210> 44

<211> 1290

<212> DNA

<213> Homo sapiens

<400> 44

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caccaaattg cggatgacgc cggatgcagc gggggggccc gggggccctg tggccctggg 60
atggggaacc gcggtggctt ccgcggaggt ttccggcagtg gcatccgggg ccgggggtcg 120
ggcgtggac gggggccggg ccgaggccgc ggagctcgcg gaggcaaggc cgaggataag 180
gagtggatgc ccgtcaccaa gttgggcccgc ttggtcaagg acatgaagat caagtccctg 240
gaggagatct atctcttctc cctgcccatt aaggaatcag agatcattga tttcttctc 300
ggggcctctc tcaaggatga ggttttgaag attatgccag tgcagaagca gaccctgccc 360
ggccagcgca ccaggttcaa ggcatttgtt gctatcgggg actacaatgg ccacgtcggg 420
ctgggtgtta agtgctccaa ggaggtggcc accgccatcc gtggggccat catcctggcc 480
aagctctcca tcgtccccgt gcgcagaggg tactggggga acaagatcgg caagccccac 540
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gatgcaaaga ggttggatca agtttaaatg actgtgctgc ccctttcaca tcaaagaact 1020
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ggaaagaact tgcattgttg tgaaggaaga agtgggggtg aagaagtggg gtgggacgac 1140
agtgaatct agagtaaaac caagctggcc caaggtgtcc tgcaggctgt aatgcagttt 1200

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aatcagagtgc ccatttttttt ttttgttcaa atgatttttaa ttattggaat gcacaatttt 1260
 ttttaatatgc aaataaaaag ttttaaaaacc 1290

<210> 45
 <211> 814
 <212> DNA
 <213> Homo sapiens

<400> 45
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 ccccggctgc ggatggcgag caggacgaga ggagccccag ccgttctgaa ggcgaggctg 120
 agagcgagag cagcgactcc gagtccctgg acatggcccc cagcgacacg gagcggactg 180
 aggggagtga gcgttctctg caccaaaca cagttattaa ggccccgggc actggcgccc 240
 tcattaccgc cagcagtgtt gggagtgggt ggagcagcgg cggcggcggc aatagtttca 300
 gcttcagcag cgccagcagt cttagtagca gcagcaccag tgcgggttgc gccagcagcc 360
 ttggcggcgg cggcgccctg gagcttctcc ctgcaacaca gccacagcc agcagcgtc 420
 ccaaaagccc cgagccagcc caaggcgcg cttggctgctt atagactgta ctagggcgga 480
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 gttggcgact tggtagggca ggagacgcag cgtggagcct acctcccgac attcacgctt 600
 cgccccacgc tgctccgact ggctgcagcg gacactgccc aaagcagagg ggagtctcag 660
 tgtcctgcta gccagccgaa cacttctctc cggaagcagg ctggttcgac tgtgaggtgt 720
 ttgactaaac tgtttctctg actcgcccca gaggtcgtgg ctcaaaggca cttaggacgc 780
 cttaaatttg taaataaaat gtttactacg gttg 814

<210> 46
 <211> 959
 <212> DNA
 <213> Homo sapiens

<400> 46
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 aactgggggc agcctccgag accctgagcc agagcaggct gggcccagct ctggagtcac 120
 gaacaggtgc ccgttcctcc tggacaattg ccttggcaca tctcagtggc cccaaggcg 180
 acgacgcaag cagctgttca ccctgcagac ggtgaactcc aatgggacca gcgaccgcac 240
 aacctcccct gaagaagtcc atgcccagcc gtacattgct atcgactggg agccagagat 300
 gaagaagcgt tactatgacg aggttagaggc tgaggggtac gtgaagcatg actgcgtcgg 360
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 ggagaccctg gagaaggaaa acccctggta ctgcccttcc tgcaagcagc accagctggc 480
 aaccaagaag ctggacctgt ggatgctgcc ggagattctc atcatccacc tgaaacgctt 540
 ttcctacacc aagttctccc gagagaagct ggacaccctc gtggagtttc ctatccggga 600
 cctggacttc tctgagtttg tcatccagcc acagaatgag tcgaatccgg agctgtacaa 660
 atatgacctc atcgcggttt ccaaccatta tgggggcatg cgtgatggac actacacaac 720
 atttgcctgc aacaaggaca gcggccagtg gcactacttt gatgacaaca gcgtctcccc 780
 tgtcaatgag aatcagatcg agtccaaggc agcctatgtc ctcttctacc aacgccagga 840
 cgtggcgcgga cgctgctgt ccccgccgg ctcatctggc gcccagcct cccctgcctg 900
 cagctcccca ccagctctg agttcatgga tgtaattga gagccctggg tcctgccac 959

<210> 47
 <211> 1174
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1038,1080,1100
 <223> n = a,c,t, or g

<400> 47
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 ttttagatga aatgagaca tatgagtaca ctgaaaagta acatcaccat ctggaaaatt 120
 atacataagg aaaatgcaat aagggaatat agatccttca gccctattc cagtactctt 180

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taacaactct gcttccttgg acggaattc atgaggtata atacttaagg agattttcat 240
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agaaaatctg ccttggatcc ttcttagtac agagcatttt gaagagttca tctttagtga 360
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caggatccgc caggtaacca cggttctttg catcagtgtg atatggtacc agttcttctg 480
gtggaagcat tcttttttgg atgggttgtc cacgaagaaa gaatggaaca ggtttgcata 540
caatgtccag acttcttggg tcatagaagg ctgtagtaac aacaccacca tttttttcaa 600
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<210> 48
<211> 1157
<212> DNA
<213> Homo sapiens

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<400> 48
ggccggatgg ggagccgctt ggtgggcac atctcctcca gggacattga ttttctcaaa 60
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gcccctgcag gcatacact gaaggaggca aatgaaattc tgcagcgag caagaaggga 180
aagttgcccc ttgtaaatga agatgatgag cttgtggcca tcattgcccg gacagacctg 240
aagaagaatc gggactaccc actagcctcc aaagatgcca agaaacagct gctgtgtggg 300
gcagccattg gcactcatga ggatgacaag tataggctgg acttgctcgc ccaggctggg 360
gtggatgtag tggtttttgg ctcttcccag ggaaattcca tcttccagat caatatgatc 420
aagtacatca aagacaaata ccctaattct caagtcattg gaggcaatgt ggtcactgct 480
gcccaggcca agaacctcat tgatgcagg gtggatgcc tgcgggtggg catgggaagt 540
ggctccatct gcattacgca ggaagtgtg gcctgtgggc ggccccaagc aacagcagt 600
tacaagggtg cagagtatgc acggcgcttt ggtgttcggg tcattgctga tggagggaatc 660
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tctctcctgg ctgccaccac tgaggcccct ggtgaatact tcttttccga tgggatccgg 780
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tgccaggaca ttggtgcca gagcttgacc caagtccgag ccatagatga ctctggggag 1020
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ataaaagttt agaaagg 1157

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<210> 49
<211> 2193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2029,2053,2120
<223> n = a,c,t, or g

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<400> 49
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agtctcaggt ggaaaaagaa agaaaggag gagctagctc tctgccttct cagccaattg 120
aaatcgtgga aaccaatggg cttcagctag cccactcat cactgctggg ggggaaaaga 180
catccctact ccccttcccc gtggcactca tgatattctc aatgcccaca caagggtcat 240
cttgggttct ctgggcgttt ctgtcctggc ctttggctct ggctccggct ctgactccgg 300

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ctccggccag ggccccggga gccctagag ctgctggagc ccctggaaga gttgctgccg 360
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<210> 50
 <211> 651
 <212> DNA
 <213> Homo sapiens

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<400> 50
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<210> 51
 <211> 1204
 <212> DNA
 <213> Homo sapiens

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<400> 51
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<210> 52

<211> 1541

<212> DNA

<213> Homo sapiens

<400> 52

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<210> 53

<211> 2384

<212> DNA

<213> Homo sapiens

<400> 53

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gataactgtg atgaaggga ggaccctgcg gtgatcagaa gcctgactct ggagcctgac 180
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<210> 54

<211> 1254

<212> DNA

<213> Homo sapiens

<400> 54

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acatgtaacc cagcagcagt ttgcttctgt tgtccactga ttaatcagcc tatgtgcctg 1140
acactgggtct tgcagtacaa ctggaagcca aaacaagggtg gaagatgtcc tgaattaaga 1200
cgttttcacc acattgtatt acagagacag ccaataaatc tactatttga tttc 1254

```

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<210> 55
<211> 1127
<212> DNA
<213> Homo sapiens

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<400> 55
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```

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<210> 56
<211> 968
<212> DNA
<213> Homo sapiens

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<400> 56
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```

```

<210> 57
<211> 1002
<212> DNA
<213> Homo sapiens

```

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<400> 57
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```

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<210> 58
 <211> 691
 <212> DNA
 <213> Homo sapiens

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<400> 58
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ggaggatcac ttgagcccag gagttcaagg ctgcagtgag ccattgattgc gccactgcac 660
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<210> 59
 <211> 943
 <212> DNA
 <213> Homo sapiens

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<400> 59
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<210> 60
 <211> 2399

<212> DNA

<213> Homo sapiens

<400> 60

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<210> 61

<211> 1516

<212> DNA

<213> Homo sapiens

<400> 61

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<210> 62
 <211> 933
 <212> DNA
 <213> Homo sapiens

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<400> 62
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<210> 63
 <211> 1232
 <212> DNA
 <213> Homo sapiens

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<400> 63
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<210> 64

<211> 1207

<212> DNA

<213> Homo sapiens

<400> 64

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<210> 65

<211> 1279

<212> DNA

<213> Homo sapiens

<400> 65

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<210> 66
<211> 938
<212> DNA
<213> Homo sapiens

<400> 66
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<210> 67
<211> 1369
<212> DNA
<213> Homo sapiens

<400> 67
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<210> 68
<211> 857
<212> DNA
<213> Homo sapiens

<400> 68

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<211> 824

<212> DNA

<213> Homo sapiens

<400> 69

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<210> 70

<211> 928

<212> DNA

<213> Homo sapiens

<400> 70

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<211> 672
 <212> DNA
 <213> Homo sapiens

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<210> 73
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 <212> DNA
 <213> Homo sapiens

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 <222> 1483
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<211> 760
<212> DNA
<213> Homo sapiens

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<400> 74
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<210> 75
<211> 344
<212> DNA
<213> Homo sapiens

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<400> 75
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<210> 76
<211> 3684
<212> DNA
<213> Homo sapiens

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<400> 76
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<211> 2817

<212> DNA

<213> Homo sapiens

<400> 77

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<210> 78

<211> 2066

<212> DNA

<213> Homo sapiens

<400> 78

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<210> 79

<211> 2044

<212> DNA

<213> Homo sapiens

<400> 79

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caccttcacg ggacttggca ggacagaggc atgttcatct gtgtaatcag gtttaatagc 240
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```

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ttaaatacacc ctgtgttttc cccataaaca cgaatgttaa ttacatttt taacctaaact 1920
gaatgagttg tttttcttaa attcctttgc agtttgaagg aacatacctt gcaacaggaa 1980
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aaag 2044

```

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<210> 80
<211> 1035
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1000
<223> n = a,c,t, or g

```

```

<400> 80
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aagcttttagc catccactaa gtgccctttt tcataagaga agaaaattgt gcataaaaaat 180
tggttatgtt tgttttttag tcatcttttt taacatatat ttttgattga caaattgcct 240
ttcaaatttt tggggctagt tgagatttaa agagtttgat atgccttcta tttttatgga 300
gaaagtaatt ttaaaatggc aattgggtgt tctaagccat tgactaataa aacatagggt 360
tggttagtaa ttattttgtt aacttgatga actcaagtat gactattatt tattgtacat 420
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```

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<210> 81
<211> 1113
<212> DNA
<213> Homo sapiens

```

```

<400> 81
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agatggcggg tcgctctgtg gctcatctct tcatagatga gacaagcagt gaggtgctag 180
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atggccgcat ccgccacgtg tttgatcact tctctgacct aggtctgctc acggccctct 540
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```

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1113

<210> 82

<211> 1574

<212> DNA

<213> Homo sapiens

<400> 82

```

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cgactattgg ggccaggga ccctgctcac cgtctcctca gcctccacca agggcccatc 480
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ccctgggccc ctgc 1574

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<210> 83

<211> 1817

<212> DNA

<213> Homo sapiens

<400> 83

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ctcaagtccc ccaagggctc cggaagccg cctgggggtgc cagccagcag caagtccggg 1200
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gctttgattc caaatg 1817

```

<210> 84
<211> 1079
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 499,542,571,573,600
<223> n = a,c,t, or g

```

<400> 84
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tccctattca ttctctgtcc agagtttttt gctaaagata gaattattaa tgatacatca 180
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ggcttccaag gttgtattta aatttgactg aatatctgga tggctaagaa cagacattta 300
tcttacacat ggaaaactga cgaaacctat aagcctatgt gtttgacagt gaagtatgtt 360
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agaacttaag aggctggent atgttatacc taaattttta ctttcttgta tacaacaatg 540
cnaaaattga gcagattgat aactgccagc nanaccatag atttaagata aatgaatgan 600
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```

<210> 85
<211> 1011
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 971,975,977
<223> n = a,c,t, or g

```

<400> 85
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tctaagagag ccctttctaa ttctctccct tcatcttaac tctatcccca atacactctc 360
tcacagagac tgttcttttc cttctgagac cctactccag cttgtagttc taaatctgtg 420

```



```

attatgcact gtctgtcttc ctcttgaggt caggggccat ttcttttgtt ctctgctatg 480
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tcggcttccc tagccctgac ttcccaagcc ttagtcatca ccctctctcc caccagggc 960
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```

<210> 86

<211> 549

<212> DNA

<213> Homo sapiens

<400> 86

```

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tcttcctgtt ctgacccccc atcactgctc gttcagcctt ctagacgtct ctctcgtgga 180
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ggtttcagga gcagtcacta ttgtaggatg ggcttccaat caaacctcag actaaactct 480
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ccttagaaa 549

```

<210> 87

<211> 1539

<212> DNA

<213> Homo sapiens

<400> 87

```

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cagaccctgt ccctcacctg ctttgtctct ggtggctcca ttggtgacga tgagatatac 180
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tctaagaacc agttctcctt gcagctgact tctgtgacgg ccgcggacac ggccacttat 360
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caccagcat ggaaataaag caccagcgc tccctggg 1539

```

<210> 88
 <211> 1161
 <212> DNA
 <213> Homo sapiens

<400> 88
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 <213> Homo sapiens

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<210> 90
 <211> 826

<212> DNA
 <213> Homo sapiens

<400> 90
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 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 91
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<210> 92
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 416,432,463,479,482,490,624
 <223> n = a,c,t, or g

<400> 92
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<210> 93
 <211> 602
 <212> DNA

<213> Homo sapiens

<400> 93

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<210> 94

<211> 1085

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1019

<223> n = a,c,t, or g

<400> 94

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<210> 95

<211> 1143

<212> DNA

<213> Homo sapiens

<400> 95

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<210> 96

<211> 2047

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2037

<223> n = a,c,t, or g

<400> 96

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<210> 97

<211> 2082

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2046

<223> n = a,c,t, or g

<400> 97

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<210> 98

<211> 1736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1180,1181,1260

<223> n = a,c,t, or g

<400> 98

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<210> 99

<211> 1379

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1343

<223> n = a,c,t, or g

<400> 99

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<210> 100

<211> 1309
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1272
 <223> n = a,c,t, or g

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<210> 101
 <211> 1322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1204,1205,1206
 <223> n = a,c,t, or g

<400> 101
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 ggtgccgcc ccgaccttgc tcgtgccgta ctctgatgc tgcccctacc ggtggccatc 960
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```

cgggggagaac ttcattccga acgccccctgg cgactccgcg gcggcgggcg gcaagccaag 1080
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cacnnncaag gcggatcgcg agccggggcg cgcgagcgcg aggactgcgg cggctgcagg 1260
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<210> 102
 <211> 1908
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1721,1723
 <223> n = a,c,t, or g

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<400> 102
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<210> 103
 <211> 1598
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1040,1562
 <223> n = a,c,t, or g

<400> 103

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anccagcatg gaaataaagc acccaccact gccctggc 1598

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<210> 104

<211> 1565

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1521,1545

<223> n = a,c,t, or g

<400> 104

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<210> 105
<211> 2314
<212> DNA
<213> Homo sapiens

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```

<400> 105
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2314

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<210> 106
<211> 1259
<212> DNA
<213> Homo sapiens

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<400> 106
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ctggaaatat	tctctctcag	ccacagtga	attgaccctc	ttgggtttct	cctctctctg	300
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 <223> n = a,c,t, or g

<400> 114

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<213> Homo sapiens

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<223> n = a,c,t, or g

<400> 115

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ctagataatc tcaagtctt ttctaagtca atgaactgaa attcacttct aaacttagca 1200
atactgtcac acgcgaagca aacattccac ctctcatcct ctaaacaatt agataaaata 1260

```



```

ttttccttcc taataaggta taaatcaaaa taatttttgta aaaagtggca actgaagtgc 1320
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gcgtcgccaa 2410

```

<210> 116
<211> 984
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 158,189,782,939,960
<223> n = a,c,t, or g

```

<400> 116
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gtcccagcca ctccaggagt tgaggcagga ggatcgcntg agcccaggat gcggagattg 180
cagtgagcng agatcgtgcc actgcactcc agtgtgggtg acagagcaag agcctgtctc 240
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```

<210> 117
<211> 1048
<212> DNA
<213> Homo sapiens

```

<400> 117
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aagctcgcgg cccggggcgc catgcgctgg gaacgggggtg cgcaggttct acgagaggac 180
gccctgtctg ctcagagctg gctttgtaag gtgtgaaaac aggagttttt aaaagacacg 240
accggggaga agtcagttag agggcacagg gcgagcagga cggacagcga cgtccccgcg 300

```

```

ggccgcgtcg ctggggcgca gaggggcgcg gtgggtctctg cccggagggc gtcggtcgtt 360
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ggatgccgcc ccgcaggcca ccagggtgat taggccacac acgcgccact gcgcgcaggg 660
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```

<210> 118
 <211> 1965
 <212> DNA
 <213> Homo sapiens

```

<400> 118
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taccatttac caatccttac ttgatgaaag gaccacaagg agacggaaga tgtcagaaat 180
tagtagtatg tatctgggaa attatcctta atctttcaca taaaatgcga acaccagggg 240
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gccagtaaag ggaaacatct caactaggca catcccattt taatgtctct gtatttttcc 360
ctctccccac ctctatttcc acctcatctt ctaattttta caaatgttcc caatgtttgg 420
gaagtgagtt cagtttggga gagagacagg atatatctgc acatttactt ctgatttggg 480
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```

<210> 119
 <211> 574
 <212> DNA
 <213> Homo sapiens

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<400> 119
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```

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```

<210> 120
 <211> 1334
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 641
 <223> n = a,c,t, or g

```

<400> 120
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```

<210> 121
 <211> 989
 <212> DNA
 <213> Homo sapiens

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<400> 121
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```

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ctgggggtac ctgagcctgg attagagggc agggggagga tattgcctag ccaaagtggg 960
tggtcaataa agaaccattt ggagatggc 989

```

<210> 122
 <211> 2085
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 728
 <223> n = a,c,t, or g

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<400> 122
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atttaaatac acatatatat tgtacagaat aaaaatgttt tattg 2085

```

<210> 123
 <211> 1816
 <212> DNA
 <213> Homo sapiens

<400> 123


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```

<210> 124

<211> 2222

<212> DNA

<213> Homo sapiens

<400> 124

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<210> 125
 <211> 1252
 <212> DNA
 <213> Homo sapiens

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<400> 125
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<210> 126
 <211> 981
 <212> DNA
 <213> Homo sapiens

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<400> 126
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<210> 127
 <211> 1343
 <212> DNA
 <213> Homo sapiens

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<400> 127
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<210> 128
 <211> 1615
 <212> DNA
 <213> Homo sapiens

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<400> 128
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<210> 129

<211> 1099

<212> DNA

<213> Homo sapiens

<400> 129

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<210> 130

<211> 1307

<212> DNA

<213> Homo sapiens

<400> 130

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<210> 131
 <211> 812
 <212> DNA
 <213> Homo sapiens

<400> 131
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<210> 132
 <211> 1225
 <212> DNA
 <213> Homo sapiens

<400> 132
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 <212> DNA
 <213> Homo sapiens

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<211> 2108
<212> DNA
<213> Homo sapiens

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<400> 134
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<210> 135

<211> 1472

<212> DNA

<213> Homo sapiens

<400> 135

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<210> 136

<211> 1524

<212> DNA

<213> Homo sapiens

<400> 136

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<210> 137

<211> 1362

<212> DNA

<213> Homo sapiens

<400> 137

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aggggacttg	aggaaggtgg	ggaagcgttg	gggagtggct	ggtgaggcaa	accgaagtgg	600
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<210> 138

<211> 1505

<212> DNA

<213> Homo sapiens

<400> 138

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tgttcccttac	ccatcgtagc	agctttgaag	gtctttttatc	catattggta	ttttccagta	540
ccagaaaacc	aagtcttgaa	agaaggactt	catgtcttat	ccatggacac	gccatgggttc	600
cagaatgtgt	tgtcagttga	taagataggc	ttgatttggt	actggtctta	atgagggttc	660


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<210> 139

<211> 1579

<212> DNA

<213> Homo sapiens

<400> 139

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gagagagagg agagagagg 1579

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<210> 140

<211> 1641

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1572,1575,1576

<223> n = a,c,t, or g

<400> 140

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aaaaaaaaata aaaaaaaaaa a 1641

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<210> 141

<211> 1492

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1066,1457

<223> n = a,c,t, or g

<400> 141

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<210> 142
<211> 1816
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 1777,1780
<223> n = a,c,t, or g

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gcctctctca gttcttcaag gatttgaaca tgatgctaag tagtttgaga gcacataggg 360
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ccaactcttc ctaacaacat ttgactcctt gccctcctcc gttggaactg tgcttcctgg 540
aaggaaagtg attgaagaag aagagatgta gttctgtaaa aggcataaaa acagcttggt 600
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gccatagtgc caagattgag aaacctcgat ctgtatagtc caagccacca tcactctctg 960
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tttaaagtaa tgaattggtt gttttaataa atatcataaa tgatcatttt ttaaaaagt 1620
aacaatatac agaagttcaa aaaagcaaat tcctcccacc agaaatacca gtattattct 1680
ggtgtttgat tgaacattt ctctctgcat atatagaggc agagcagtg gagtgtggct 1740
ggaccgccaa taattttata ggaatgtcag cctccanctn ttaatctacc tttgatcgac 1800
tactcattgt tgaggg 1816

```

```

<210> 143
<211> 2230
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 2165
<223> n = a,c,t, or g

```

```

<400> 143
agaatagggt gagggttgtg gtggggcgta gatgggggtg tgctgttgat atcatccctt 60
aagggaagga tattgctttt gtgggaggga aaaggcagga aaaatatccc actctatatg 120

```

```

tataaagcac agttatacat acagcatata tgcagacata taatttgtct atggtattaa 180
aatttcatgc atgggggcaat taggaaaaaa gcgtctaaaa atgctcttag ggagatgatg 240
ttgaaaaaaa agttgagaaa tactgggcta gaccaaacat gatccattgc ctgaagctta 300
cgtattatct attactgatg acaaagagag gcacagggtat ggagtggcaa actaacaatg 360
cgtgccgtag agaatgtcat acattaaatt aatgaacagc ttactttatg ttgtaattgt 420
tgttgggtctt ctctcattgt actgtaaaca tcttaaaaagt gggaactgtg tcttatttcg 480
atgtatatct ttgtatatta gcacactagt ccctcaagag gtatgttttg taagttgaat 540
ggaacaaaca acatttttatt taacatatac tttatttcta ttttttttaa attttattta 600
tttattttatt ttgagacagc ctctctcttt gtcaccgagg ccagagtgcg gtggtgcaat 660
ctcagctcac tgcaacctct gcctcctggg ctcaagagat tctcgtgcct cagcctgccg 720
agtgcctgcg attgcaggcg cgcgccacca cgcctgactg gttttcgtat ttttttgggtg 780
gagacggggt ttcgctgtgt tggccgggct ggtctccagc tcttaacctc gagtgcaccg 840
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gccgcctacc ttggccttcc aaagtgccga gattgcagct tctgccccagc cgcacccccg 1020
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ctgcccggtt gccagtcgtg ggaagtgcgg agcacctctt accggccgcc atcccatcta 1140
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gtctgggaag atgcagacat aatgatggca ggagctggag cagccacctg aggaccaga 1500
gctcaaagcc acatgttgag aagggcaqag ataactgtat ccactctgga ctgctgacct 1560
ttgaactatt atgttatttc cagggaatg caaaccaaag gatgtggtct ctgatctaata 1620
ccttagagaa tgtgacctg aagacacttt tcctacctgg taaacaaaag ataatagaga 1680
aagtgcgggtt ggaagttggt ttactgagcc aggagctata acaggtgctg gagcaggggt 1740
gtgatctgaa tgaccagagg gaaggactga tggaattgga tggtagagag ctccaggccc 1800
tttaggcttc tcctgactt tataatgaaa tacaaaagtc agcctccatg cttgtccttt 1860
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cattatgtaa taagttcaga atttgggaca gacacagtgg ctcatgcctg taatcccagc 1980
actttgggag gtcgaggtgg gcggatcatc tgaggtcagg agttcgagac cagcctgacc 2040
aacatggaga aacctgtct ctactagaaa tacaaaaaat tagccaggcg tgatggcaca 2100
tgctgtaat cccagctact cgggaggctg aggcaggaga atcgcttgaa ctccggaggc 2160
agtnttgtg gtgagccgag atcgcgcaaa ttgtactcca gcctgagcaa caagagcgag 2220
actccatctc                                     2230

```

<210> 144

<211> 1025

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 996

<223> n = a,c,t, or g

<400> 144

```

ctgataggaa atgactaagt agggactata ctgcctttca cgccttgccc tttgcacaat 60
gccctgtctc tccttgtggc ctggcctccc ctctcttctc cctccactgc cccggccccg 120
ggtgggcccc tgaggcacct gcacattgtc agtattgaca atggccccag tgatgttgga 180
gagcaggtgg atgaactcct cctcgaagcc gcgcacacgg tcggggatct cgtaaatgac 240
gatcttgacg cgctggtcgt ccctcaggat gtagatgccg atgatggccg tgtcgttgtg 300
gcctgccagg tctcgggcca caatgtccac cacgaagtag ccggggctgt aggccatgaa 360
gaggtcgaag gtgcgcagaa tgccgtccat gctccctgca ggaagcccaa aggcggggta 420
cggctcagag actcagtgcc ccgaatcccc aggaaggggc atgagccctg gggtaggtgg 480
ggcacatcta ggggaggcgg cacaaatgcc cacagggcac agcagggagc aaaggtgaca 540
ggcaagtggg aacgatgcc atctgaagtg gaaatggctc aggtctcagc cggttatcat 600
cacaggggag tgccgatgac aagtttgtga ctctgttgtc tcatgctagg gtgcgaagga 660
ccatttctga gccccctgag tgtctgtctg tttctcctct ctctttcaaa cacatgtacc 720
tcagaattcc acaaataagc ccgggtgtgg tgctcacgcc tgaatctcaa cactttggga 780

```



```

ggctgaggcg ggcagatcac ttgaggccag gagtttgaga ctagcctggc caacatgatg 840
aaaccccatc tgtactaaaa atacaaaatc tagccaggcg tgggtggtgca tgcacctact 900
cccagctact tggcaggctg aggcgggaga gtctcttgag tccgggaggc agaggctgct 960
gtgagctgag attgcacctc tgcattccag cctgggnaac agacagagtg agagtctatc 1020
accag 1025

```

```

<210> 145
<211> 994
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 963
<223> n = a,c,t, or g

```

```

<400> 145
cacagggtta ccagctgctg gccacacgcc tctgccaaga cattgatgag tgtgagtctg 60
gtgcgcacca gtgctccgag gcccaaacct gtgtcaactt ccatgggggc taccgctgcg 120
tggacaccaa ccgctgctg gagccctaca tccaggtctc tgagaaccgc tgtctctgcc 180
cggcctccaa ccctctatgt cgagagcagc cttcatccat tgtgcaccgc tacatgacca 240
tcacctcgga gcgagcgtg cccgctgacg tgttccagat ccaggcgacc tccgtctacc 300
ccggtgccta caatgccttt cagatccgtg ctggaaactc gcagggggac ttttacatta 360
ggcaaatcaa caacgtcagc gccatgctgg tctctgcccg gccggtgacg ggcccccggg 420
agtacgtgct ggacctggag atggtcacca tgaattccct catgagctac cgggccagct 480
ctgtactgag gctcaccgtc tttgtagggg cctacacctt ctgaggagca ggaggagacc 540
accctccctg cagctaccct agctgaggag cctgttgtga ggggcagaat gagaaaggca 600
ataaaggagg aaagaaagtc ctgggtggctg aggtggggcg gtcacactgc aggaagcctc 660
aggctggggc aggggtggc ac ttgggggggc aggccaaagt cacctaaatg ggggtctcta 720
tatgttcagg cccagggggc cccattgaca ggagctggga gctctgcacc aagcgcttca 780
gtcaccggga gaggagagga ggtaacgagg agggcgact ccaggccccg gccagagat 840
ttggacttgg ctggcttgca ggggtcctaa gacactccac tctggacagc gccaggaggc 900
cctgggttcc attcctaact ctgcctcaaa ctgtacattt ggataagccc ttgttggtcc 960
ctnggcctgt ttttctataa aacgaggcaa ctgg 994

```

```

<210> 146
<211> 1913
<212> DNA
<213> Homo sapiens

```

```

<400> 146
caaaacattt agctcatctt attctctctt tgtcctctct cccctcctgc ccgcccgcac 60
cctggaattg ccaactcagtt cctctgggtg tgcacatatg tttggagaaa tagaggagag 120
aaaagagggc cacgtaactg agagcttaca gtgccaatgc cgtttgtgtt ctggccagag 180
tggagtgcgc agccctgact cccaggcgct gagattgttg cctgggttacc caggaagctg 240
ctgttccggc tgcccagcct ttctctgagc cagcggatgc acagtcctgt gccttcttca 300
ggcttattga tgatgctttt tgcaaatgtt gaatcatggt tctgtttcta agttggatct 360
tttttgtttt ctcttgcca ccctaatttg acatcaaaat tctctcttgt gcattggggc 420
ctgggtcatt caaacccagg tcacctcatt ccccttctct gttcacacct aatgtcttga 480
agagtaggta gcagcagtggt gggctgaacc taggccagct tgettagcgg gtcaccctgc 540
tgtgaagtcc tggcagggtg ttgtaaatgt tggaaatgca gtcagcaagt ttgctgggga 600
gtttgataaa agtataaaac aaaacaaaaa aagcctcggt ataattttgt tccacgactt 660
cttctgtagc ttacaccag aaggaaggaa tgggctacag caggtagtgg aggaagaggg 720
gggtgagcag gtgtattaaa atagcttacg ggtaaggcct aaaagggtcac ccctcggccc 780
cctctccaaa agaagggcac gggcaccccc aggagaggat ggccccaaaa acctattttt 840
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ttttgccgtt aaaaatatct ctctatagta aattatttat tggaagatga ctttttttaa 960
gctgccgttt gccttggtt gggttcatac actgatttat ttttctatgc caggcagtag 1020
agtctctctg cctctgagga gcaggctacc cgcateccac tcagcccctc cctaccctc 1080
aagatttgat gaaaattcca accatgagga tgggtgcac ggggaagggt gagaaggaga 1140
gcctgcctgc tcagggatcc aggctcgtag agtcactccc tgcccgtctc ccagagatgc 1200

```

```

ttcaccagca cctgcctctg agacctcgct ctctgttcca gcaaccctgg ttgggggggtc 1260
agacttgata cacttttcagg ttggggagtgg acccacccca gggcctgctg aggacagagc 1320
agccaggccg tcctggctca ctttgcagtt ggcactgggt tggggaggaa gagagctgat 1380
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ttctatcttc tctctcctcc ttgttcctgc aaaccacaag ataaaggtag tgggtgtgtct 1560
cgaccccatc agcctctcac ccactcccag acacacacaa gtcctcaaaa gtttcagctc 1620
cgtgtgtgag atgtgcaggt tttttctagg gggtaggggg agactaaaat cgaatataac 1680
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atacatattt tagtgtcaag gcagattagt tatttagcca ccaaaaaaaaa gtatttgtga 1800
caatttgggg cctcaaattt gactctgcct caaaaaaaag aaatatatcc tatgcagagt 1860
tacagtcaca aagttgtgta ttttatgtta caataaagcc ttcctctgaa ggc 1913

```

<210> 147

<211> 982

<212> DNA

<213> Homo sapiens

<400> 147

```

ggaatgataa attgggccag ggcaagaaaa atctagcttc atataatttg tctgggacta 60
tacaccctat ataatgttag ttttacagaa gtaatatgac ttttgattgc tacataccac 120
aaagagttta tgaactgaga tcataaaggg caactgatgt gtgaagaaag tagtcagtac 180
atcctggctc atgctctgaa agaatatcca gagaggctct ctcaaagatc agggagatgt 240
attcccatgc catgcaccct gcttcccagc atttctgcat ggtcaagtga gctttatgct 300
catgagcttt aagtatataa ttatccagga ttttaaattc tcaacttggt ctagcttggtg 360
atccctcaaa gttgggtcat acgttagtgc tagatactag aaattttcac ttttccactg 420
atcagagaga cagacattaa aaacaaaaat agaagaaagg aaagctttca ccctgcagct 480
tcttagcagg gaacaattgt cttgccaaaa cttttttccc ttttctctcc cattttcttt 540
tacccaatcc cttcttactc cttgccagtg tgaccatgct ttcttctctg tagatgttaa 600
cagttaaggc ctattttcct cgggcactta accaaccaat cagaacacca catctgttag 660
gggaggtaac ctggccaaca gtgtatccat cacgttagcc ctgctggagg gaagggaccc 720
acattcacct gccctctgac ctgccccttg atcccatatc tattaccgtg tccataggaa 780
taataggtaa gggctctgtc tctgtcaagc catgtaacaa aggacactgt taaaaaaaaa 840
aaaaagtctg gcatcagagg gagcatgtgg agagcaactt gggaagaaca agttcatttt 900
gtattgaatg atttttaatg aatgcaatat taatccttgc agatgagcaa taatcattaa 960
aatcgattaa aatgataaga cc 982

```

<210> 148

<211> 1078

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1053,1057

<223> n = a,c,t, or g

<400> 148

```

gattgtagaa tgtcgtgctg tcaccagaaa gctgctgttt tgggttctgc attgagccaa 60
atatgtagag gacctaccaa gccactgag ggactaggtt ttcattgtctc tgggtcatacc 120
tagaatgttc tgagccgtct gagggccttc atgccggcag cagctagcaa agccagaaag 180
caagtctaac aggatctaag atgaccatca ggagaaggag tttgagactg tgtatgcaac 240
ccccaataga ccccttttta ctctgatctg gagaatgtat ctggcttcat attttcaagt 300
cacatgtctc tcagaccctt ggattcagaa cccaaggcca caaatcatag gcatgaagca 360
ctttcttaag actgacctaa cgctggatta tttcccgctc aatgcctgca tgctgcttga 420
attgctccac ccacacctcc atgaccaagg gcgccagagt gctgcaactg gggcgtgggc 480
cgctctctgc ttttctgtgc tgactctgac aagtcctccc tcaactgaatg tagaatcggt 540
gccaagtttc tgagaagtgt cgattccctg ttaacatgga tatcagttct gcctcacatt 600
tcccacttga ggttgaggcg tactggagac aacacctcag accatctgaa ccccatcagt 660
ggacgaaaat ggggctgtta atatactcta aaagccatac taaaaatgct ctgagggaac 720
tggctaagaa tagtgggcct ggtgattgtc tatcacgcaa ggctttgttt tgtactgttc 780

```

```

agaaatctgt cacccttctg cctgcccttg tttcctgaat gaaatgcttc tgggggttatt 840
tatgaaagga gtgattcctgg ggcaggcagg aggcagtggg cttcatggct ccttgaagtt 900
attactgata ttgaccttct ctttggctac ctttagacaa agaatacgcc aatcaatact 960
tggggctcta agttttacaa ttgatattta tttgtatcat ctctttgtct aggaatgtaa 1020
aagtgattct aaactaagat gtgtaataaa aancaancag atttattgta cctacaag 1078

```

<210> 149
 <211> 1310
 <212> DNA
 <213> Homo sapiens

```

<400> 149
gtggggactg ttaggtacaa gagagcaaga aggtgagggg ggccctggcac agtgggtcat 60
gcctgtaatc ccagcacttc aggaggccga ggcaagcaga tcatttgggg tcaggagtgc 120
gagaccagcc tggacaacat ggtgaaaccc tgtctctact aaaaacagaa aaattagccg 180
ggcgtggtgg tgcgtgtctg taatcccagc tactggggag gctgaggcag gagaatcact 240
tgaacctggg atgggtgaggg gctgttgggc tggctccgtc gcagagggga gatgggaaag 300
gctgacaact gtgcccaccc ccagggtata ttcaggcctg ccgggcactc atgatcaccg 360
ccatcctcct gggettcctc ggccctcttg taggcatagc gggcctgcgc tgcaccaaca 420
ttggggggcct ggagctctcc aggaaagcca agctggcgyc caccgcaggg gccctccaca 480
ttctggccgg tatctgcggg atgggtggcca tctcctggta cgccttcaac atcacccggg 540
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gcctcactga tctccatcct ggggtggcctc tgcctctgct ccgctgctg ctgcggtct 780
gacgaggacc cagccgccag gtgagcaggg tgaggcgag gctggggccg ggcgggattg 840
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ctttggcaaa tacggcagaa acgcctacgt gtagcagctc tggcccggtg gccccgctgt 1020
cttcccactg cccaaggag aggggacctg gccggggccc attcccctat agtaacctca 1080
ggggccggcc acgccccgct ccgtagccc cgcgccggcc acggccccgt gtcttgcact 1140
ctcatggccc ctccaggcca agaactgctc ttgggaagtc gcatactct cctctgaggc 1200
tggatccctc atcttctgac cctgggttct gggctgtgaa ggggacgggtg tccccgcacg 1260
tttgtattgt gtataaatac attcattaat aaatgcatat tgtgaccgtc 1310

```

<210> 150
 <211> 858
 <212> DNA
 <213> Homo sapiens

```

<400> 150
gtatagggga gaagccgcgt gagatccgcg cgggtgctag ctagtccttt ctgctcgctg 60
ctcggctcgc ggcccggtgg gtgcggcccc ccaccgttgc cgccatgcc atgaagggcc 120
gcttccccat ccgccgtacc ctgcaatata tgagccaggg gaacgtggtg ttcaaggact 180
ccgtgaaggc catgacagtg aattacaaca cgcattggga gctgggcgag ggcgccagga 240
agtttgtgtt tttcaacata cctcagattc aatacaaaaa ccttgggtg cagatcatga 300
tgtttaagaa catgacgcgc tcacccttcc tgcgattcta cttagattct ggggagcagg 360
tcctggtgga tgtggagacc aagagcaata aggagatcat ggagcacatc agaaaaatct 420
tggggaagaa tgaggaaacc ctgagggaag aggaggagga gaaaaagcag ctttctcacc 480
cagccaactt cggccctcga aagtactgcc tgcgggagtg catctgtgaa gtggaagggc 540
aggtgccctg cccagcctg gtgccattac ccaaggagat gagggggaag tacaagccg 600
ctctgaaagc cgatgcccg gactaaggcc cacggtcact gtgggctggg gtgatggtgt 660
ctgaccagtg gggagattgg aatgggatta ctttggccca gggaagcccc tggttctgtc 720
cctggagact ctggaaatcc ttttgcatta aaaggacttt acacacctgt gtaaaaggat 780
gtgggagagg aggtctgaa gctgagctgc taaatgaata tccctgctct gctggtcaat 840
aaaacgcttc ctaatagc 858

```

<210> 151
 <211> 1154
 <212> DNA
 <213> Homo sapiens

<400> 151

```

ctgacacatg cctctgcctc tgaatgtgaa gggaaactgg accagctcag tgtcaagcct 60
gaagaagaat ccatggtaat tccagagaca gacatttcct tgttcctggg gactgagcag 120
tttgaagttt ccaaagatga aaacatctac tctgaagaga cctgaatgga caagagatgt 180
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aggaaatggc cacatttccc ccctcaggac ctctacttgg atgggctgcc ttggaaataa 300
gaatgatgaa aatccaaaac actgacaaac cgaatgctat caaggatgtg gagcacagga 360
actcttattc aatgcaaaat gatagagcca ctttggaaga cagcttggca atttcttaaa 420
aaactaaaca gactctcatc atatgttcca gcaattgtat tccttgggtat ttatccaaag 480
gagatgaaaa cttatgtcca cacaaaaacc tgcattgtga tgtttatggc agttttattc 540
atattgccaa gacttggaag gaacaaagtt gtccttcagt gggatgaatga ataaataaac 600
tgtgggtacat cttgacaatg ggatattatt cagcactaaa aggaaatgag ctatcaagcc 660
atgaaaagac atgaaggaac cttaaatgca tactactaaa tgaaagtagc ccagtctgaa 720
aaaactactt actgtatgat tccaaatata tggcagctctg gaaaagccaa aactatgaag 780
acagtaaaag gatcagtggt tgctaggggt tgtggggagg gagggatgaa tctgcagagc 840
agagaggatt ttaagggcag tgaaaatact ctgatactat aaaggtggtg acatgtcatt 900
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<210> 152

<211> 2290

<212> DNA

<213> Homo sapiens

<400> 152

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agagctgaca agcaacgtct taaaaacagg cgtggtgcgc tgctgcgtgg gacagtgcaa 180
caatgccatc cctgttgaca ccgtccttac catgaagaag ctgcccatac cctatagcaa 240
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cttctgctcc ctgagactct gggttcaccc acagcacttt ctgaggaaga ggacaccagc 540
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aaaaaaaaaa aaaaaaggcg gccgcttttt tttttttttt tttttttttt tttttcgggg 780
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```



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atcctcctgc cttggcctct tgaagtgcctg ggattacagg catgagccac agtgcctggc 1980
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cccaacactt tgggaggttg aggcgggcgg atcatgaggt caagagattg agaccatccc 2100
ggccaacatg gcgaaacccc atctctacta aaaatacaaa aattagctgg gtgtggtggc 2160
gcatgcctgt agtcccagcc actcgggagg ccaaggcagg agaatagctt gaacccggga 2220
ggcggaggtt gcagtgcgc aagatcgcg cactgcactc cagcctggag acacagcaag 2280
actccgtctc                                     2290

```

<210> 153
 <211> 446
 <212> DNA
 <213> Homo sapiens

```

<400> 153
cgccgtctca aaaaaaaaaa aagaaaattg tgcaaagcat aggtaaatat ttttctttat 60
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tgtctgcttt tccatgaaat gaaatagtggt ctaaagccct gaaagaggca agactacaat 180
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ttttccccc ttaaaactgca ttgcctattc ttttttcctg acatgctatc aggtatcagt 360
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ttgcagcctt gtgccccatg accttc                                     446

```

<210> 154
 <211> 2732
 <212> DNA
 <213> Homo sapiens

```

<400> 154
gaagccttga cttcatctca gctccagagc ccgccctctc ttcctgcagc ctgggaactt 60
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gtgcctgtgg gaagacctgc ctctcatcg tcttcagcaa ggatcagttt ccggagggtc 180
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acccggacac tgatgtcatc ctcatgtgct tctccatcga cagccctgac agcctggaaa 360
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cctacaaccc cagcctcctg agggctccat gctgaaggct cccattttca gttccctcct 780
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```

```

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tggttgctggg cttgtgatct acgttgcagg tgtaggtctg ggtgccgaag ttgctggagg 2040
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aatgaaaaca cctgaaaatc ccagggtctg gc

```

<210> 155
 <211> 582
 <212> DNA
 <213> Homo sapiens

```

<400> 155
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gggtcctgtc agtagcattt gtacttagga gctttgccgt ttgccagctg aaagttgcc 180
ttttcattaa cgtagcttgc cgtttctgta tctaataaca acaaactt ttgtaatatg 240
taccctgtgc caggcagtggt actgggcact ttgaaaatac gaaggttggc cgggcgcggt 300
ggctcatgcc tgtaacccca gcaactttggg aggccagggc ggggtggatca cctgaggtca 360
ggagttctag actggtcaag accagtctga ccaatatggt gaaaccttgt ctctgctaag 420
aatacagaaa ttagccgggt gtggtggtgg gtgtctgtag tcccagctac tcgggaggct 480
gagacaggag aattgcttga accggagagg tggaggctgc agtgagctaa gatcatgcca 540
ctgcaccact ccagcctggg cgacagagcg agactccgtc tc

```

<210> 156
 <211> 731
 <212> DNA
 <213> Homo sapiens

```

<400> 156
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cgcagctcag taagaaaatg cttttgagct ataaccagg ttgagtacca ttggtacatt 180
agaatcacag agtcagattt tacttttttg ggcagtggta ggtgtggata aagtatctcc 240
agtcagagatt tcttgtagtg gtgctattgg gtttgccggg ggagatttat gacctcagg 300
ataataaccg gaagaacagt gagtagaaag ctcagggata tgagttttgc tgtatatcaa 360
agctgtgtga ctttgggaaa attacttaac ctttctgggc cttagctttg ctacctattc 420
atcaagaaca ataaaatcca tcttgtttat ttcattgagat tgggtgtgagg accaaatgaa 480
atagtatatg ggaagggtgt taaaaagttg tgagttctac acgacttaaa aatgccagta 540
ttatgaatgc aaccattctt tggtgtcatt tgggtagtcg tggatagcgt ggtggttagga 600
gagccactat cggagcaaga ctgttccaga gggtaaaaca cagcgtgcc tgtagagcag 660
ttgtcactgg tagagccatg atgggagctc ttactacatt gctatttgta ctgagttaaa 720
tagtgttctc c

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<210> 157
 <211> 868
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 832
 <223> n = a,c,t, or g

<400> 157

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ggaagcagca ctggtggtgc cgcagccatg gcctggaccg ttctcctcct cggcctcctc 60
tctcactgca cagtctctac gacctcctat gtgctgacgc agccaccctc ggtgtcagtg 120
gccccaggac aggcggcctc cgtaacgtgt gtgggacacg atgttggaag taaaagtgtg 180
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cggccctcag ggatccctga gcgtttctct ggctccaact ctggaaacac ggccaccctg 300
accatcaggg gggtcgaggc cgcggatgag gccgactatt attgtcaact ttggtttata 360
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gctgccccct cggtcactct gttcccggcc tcctctgagg agcttcaagc caacaaggcc 480
aactgggtgt gtctcataag tgacttctac ccgggagccg tgacagtggc ctggaaggca 540
gatagcagcc ccgtcaaggc gggagtggag accaccacac cctccaaaca aagcaacaac 600
aagtacgcgg ccagcagcta tctgagcctg acgcctgagc agtggaagtc ccacagaagc 660
tacagctgcc aggtcacgca tgaaggggag accgtggaga agacagtggc ccctacagaa 720
tgttcatagg ttctcaaccc tcccccccca ccacgggaga ctagagctgc aggatcccag 780
gggaggggtc tctcctccca ccccaaggca tcaagccctt ctccctgcac tnaataaacc 840
ctcaataaat attttcattg tcaatcag 868

```

<210> 158

<211> 857

<212> DNA

<213> Homo sapiens

<400> 158

```

gtctccacca tggcctggac ccctctctgg ctcaactctcc tcaactctttg cataggttct 60
gtggtttctt ctgagctgac tcaggaccct gctgtgtctg tggccttggg acagacagtc 120
aggatcacat gccgaggaga cagcctcgga aagtattata caaattggta ccaactgaag 180
ccaggacagg cccctgtcct tgctcagctat ggtaaaaaca accggc:acaa ccggccctca 240
ggaatcccag aacgattctc tggtccact tcaggaaaca cagcttcctt gaccatcact 300
ggggctcagg ttgaagatga gtctgacttt tactgtagtt cccgggacag cagtggtaaa 360
aattgggtgt tcggcgggtg gaccaagctg accgtcctaa gtcagcccaa ggctgcccc 420
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cccgtcaagg cgggagtgga gaccaccaca ccctccaaac aaagcaaca caagtacgcg 600
gccagcagct acctgagcct gacgcctgag cagtggaggt ccacaaaaag ctacagctgc 660
caggtcacgc atgaaggag caccgtggag aagacagtgg ccctacaga atgttcatag 720
gttctcatcc ctccccccc accacgggag actagagctg caggatccca ggggaggggt 780
ctctcctccc accccaaggc atcaagccct tctccctgca ctcaataaac cctcaataaa 840
tattctcatt gtcaatc 857

```

<210> 159

<211> 1456

<212> DNA

<213> Homo sapiens

<400> 159

```

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agacaccaca gctgatttct tcctgaccac tatgccact gactccctca gtgtttccac 180
tctgccccct ccagaggttc agtgttttgt gttcaatgtc gagtacatga attgcacttg 240
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ggataatgat aaagtccaga agtgacagca ctatctattc tctgaagaaa tcaacttctgg 360
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cccacgggaa cccaggagac aggccacaca gatgctaaaa ctgcagaatc tggatgatccc 480
ctgggctcca gagaacctaa cacttcacaa actgagtga tcccagctag aactgaactg 540
gaacaacaga ttcttgaacc actgtttgga gcaacttggt cagtaccgga ctgactggga 600
ccacagctgg actgaacaat cagtggatta tagacataag ttctccttgc ctagtgtgga 660
tgggcagaaa cgctac:cggt ttcgtgttcg gagccgcttt aaccactct gtggaagtgc 720
tcagcattgg agtgaatgga gccacccaat ccactggggg agcaatactt caaaagagaa 780
tcctttcctg tttgcattgg aagccgtggg tatctctgtt ggctccatgg gattgattat 840
cagccttctc tgtgtgtatt tctggctgga acggacgatg ccccgaaatt ccaccctgaa 900

```

```

gaacctagag gatcttggtta ctgaataacca cgggaacttt tcggcctgga gtggtgtgtc 960
taagggactg gctgagagtc tgcagccaga ctacagtga cgactctgcc tcgtcagtga 1020
gattccccca aaaggagggg cccttgggga ggggcctggg gcctcccat gcaaccagca 1080
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tctgttgata atcacc 1456

```

<210> 160

<211> 585

<212> DNA

<213> Homo sapiens

<400> 160

```

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tcagattgct gacttgatgg aagaaaagtt ccgaggtgat gctggtttgg gcaaactaat 120
aaaaattttc gaagatatac caacgcttga agacctggct gaaactctta aaaaagaaaa 180
gttaaaagta aaaggaccag ccctatcaag aaagaggaag aaggaagtgg atgctacttc 240
acctgcaccc tccacaagca gcactgtcaa aactgaagga gcagaggcaa ctcttgagc 300
tcagaaaaga aaaaaatcaa ccaaagaaaa ggctggaccc aaaggagta aggtgtccga 360
ggaacagact cagcctccct ctctgcagg agccggcatg tccacagcca tgggccgttc 420
cccatctccc aagacctcat tgctcagctcc acccaacagt tcttcaactg agaaccgaa 480
aacagtggcc aaatgtcagg taactcccag aagaaatgtt ctccaaaaac gccagtgat 540
agtgaaggta ctgagtacaa caaagccatt tgaatatgag acccc 585

```

<210> 161

<211> 592

<212> DNA

<213> Homo sapiens

<400> 161

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gttgagtatg atctgaacca gaaataaagg ctttcccag ttctttaaat tcattcagtt 180
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gaaactgagt gttgccttcc cagtcacctc taaaacataa acagtcaagg ctgtggtttt 360
taciaattct cattatttcc aattgggcta tttctctctc aaaaatgcca ttttttggt 420
ataacttctt ggtctgacac ctgcactgca tgtctgaaaa ataagaaggt aaaaacatca 480
tacggtttga tgtacaaaaa gcaatacaac ttctaaaata gatatagaaa atcttgaagt 540
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```

<210> 162

<211> 3760

<212> DNA

<213> Homo sapiens

<400> 162

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acaagaccac atggtataac aatactagac tatagacaag taaaaattta taaatattaa 180
gaatgtatat acatgtcacc atggattgga actgttttgc atatcaggga aatcatagcc 240
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tgtttgaaaa aacgttgtat ccttattttg taattcatac agtaagagta ttctaaacag 600

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```

cactacatta atatcatttg ataggtataa agtatacttt ttcttgcaact cttctctagg 660
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aatgttttca actgtatctg agtcagccag agagataaat atccatgtat aaaatagata 780
gaaaactttg cttggtaatt taaaattaat aatgccagtt ttccaagagt gagaaaatca 840
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ggaattcact gtgttttcat ttgatgtcgt actggtttta aaccttggtgc tctactcctt 1020
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 <213> Homo sapiens

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<211> 1474

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<210> 170

<211> 594

<212> DNA

<213> Homo sapiens

<400> 170

tttgggcaag	gctgggccc	gaagggcgtg	ggttgaggag	aggctccaga	cccgcacgcc	60
gcgcgcacag	agctctcagc	gccgctccca	gccacagcct	cccgcgcctc	gctcagctcc	120
aacatggcaa	aaatctccag	ccctacagag	actgagcggg	gcacgcagtc	cctgattgct	180
gtcttccaga	agtatgctgg	aaaggatggg	tataactaca	ctctctccaa	gacagagttc	240
ctaagcttca	tgaatacaga	actagctgcc	ttcacaaaga	accagaagga	ccctgggtgc	300
cttgaccgca	tgatgaagaa	actggacacc	aacagtgatg	gtcagctaga	tttctcagaa	360
tttcttaatc	tgattgggtg	cctagctatg	gcttgccatg	actccttctc	caaggctgtc	420
ccttcccaga	agcggacctg	aggacccctt	ggccctggcc	ttcaaaccga	ccccctttcc	480
ttccagcctt	tctgtcatca	tctccacagc	ccacccatcc	cctgagcaca	ctaaccacct	540
catgcaggcc	ccacctgcca	atagtaataa	agcaatgtca	cttttttaaa	acat	594

<210> 171

<211> 1061

<212> DNA

<213> Homo sapiens

<400> 171

atgtgccctc	tggcagctctg	ctgctgtgtc	cagagtccga	ctccagctgg	gctgtaactg	60
------------	-------------	------------	------------	------------	------------	----

```

ggcttggccc ccgccttagg ccccgccagc aggcgaagca gggagatgtc agactgctac 120
acggagctgg agaaggcagt cattgtcctg gtggaaaact tctacaaata tgtgtctaag 180
tacagcctgg tcaagaacaa gatcagcaag agcagcttcc gcgagatgct ccagaaagag 240
ctgaaccaca tgctgtcgga cacagggaac cggaaggctg cggataagct catccagaac 300
ctggatgcca atcatgatgg gcgcacacgc ttcgatgagt actggacctt gataggcggc 360
atcacccggc ccatcgccaa actcatccat gagcaggagc agcagagcag cagctagaga 420
cccctttggc cacaccttcc aggcaactggc ctgatgcccc gccctgggtg tctccccagg 480
ctccctcctc agcctcctgc ccacccaggg ccctttactc tcttctccct ccagaccttc 540
ctctgaccct tgctgaactg gggtccttct gtgagtgtct cagtctagag gtacctccct 600
ccctgggggg tctcagctcc tggagtcgca ggcccttggg gccctctgtg gagatctcaa 660
tgctgtctgg ggaccctaag agttttctca cctgttcagt ctcatctaac cttccaatgt 720
ctgatgttcc tgccaaattc ctgcctgatt ctgggtccgt cctgacctcc aaaggctcagc 780
ttggtgcttg aggtctccct gctcttggtg gcagtggtag cagcaacagc agcagcagca 840
gcagcagcag cagcagagac ctctccactt tcccttagcc cctctgctgg gtagagaggc 900
actttcaggg acttccctcc agctgcctct tcatctggga atgagctaag caaggctgag 960
cctcctcctg ttgcttgaaa taatgatgat ataaaggctg gatttgaggt ttgtatcccc 1020
tggtcctctt gggatgctca ttaaaacctt cccactcctt c 1061

```

<210> 172
 <211> 347
 <212> DNA
 <213> Homo sapiens

```

<400> 172
acattcgttg aaggacacca gctgcggaat ttgcggcttt ggcagattga aatcatggca 60
ggtccagaaa gtgatgcgca ataccagttc actggtatta aaaaatattt caactcttat 120
actctcacag gtagaatgaa ctgtgtactg gccacatatg gaagcattgc attgattgtc 180
ttatatattc agttaaggtc caaaaaaact ccagctgtga aagcaacata aatggatttt 240
aaactgtcta cggttcttaa cctcatctgt taagttccca tgccctggaga agctaattgcc 300
aactcatcat gtgataattc aatttgtaca ataaattatg aacctgc 347

```

<210> 173
 <211> 694
 <212> DNA
 <213> Homo sapiens

```

<400> 173
actctcctgt aaaacgctag agcggcgagt tgttacctgc gtcctctgac ctgagagcga 60
aggggaaagc ggcgagatga ctgaccgcta caccatccat agccagctgg agcacctgca 120
gtccaagtac atcggcacgg gccacgccga caccaccaag tgggagtggtc tgggtgaacca 180
acaccgcgac tcgtactgct cctacatggg ccacttcgac cttctcaact acttcgccat 240
tgcggagaat gagagcaaag cgcgagtcgg cttcaacttg atggaaaaga tgcttcagcc 300
ttgtggaccg ccagccgaca agcccagagga gaactgagac tctgccttac caccgcagtg 360
cggggcacct ctcccagcgt ttctccggtt tgccaatcct cttaagtatt cctgtctcca 420
aaggaccggc tctccatggc tcttgccgct cgtgctttcc gcgtacagaa gtgcttgccc 480
ggggagtccc gcctgacctg ccttcattgt gacccttaga acagcactgg gagaccagca 540
ggactcctga gaactgtgct ggtggagagg tcctagagcc ggcgagcgtt tgagaagagg 600
gcatggcgct ggagtgagat gggatttggc gtctcgtttt tggctaattg attgtcattg 660
gctttttcca taaagttag aaatcgtaaa aaac 694

```

<210> 174
 <211> 771
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 31
 <223> n = a,c,t, or g

<400> 174

```

attcttgccg ctggcccagt cgctatgtag nggaggggca gacaccctcc cgcaaattct 60
ggaagggttct tagtctcgac tagggcagta gccccaggac tcctagtcgc cggcttcagg 120
tcactcccgg ctgaacggag ctgccgtcgc cactgtttgg ctgcttggtg gcggggaggc 180
tgggtgcaaac agctgcacag caagtggcag aggataaatt tgtttttgac ttacctgatt 240
atgaaagtat caaccatgtt gtggttttta tgctgggaac aatcccattt cctgagggaa 300
tgggaggatc tgtctacttt tcttatcctg attcaaatgg aatgccagta tggcaactcc 360
taggatttgt cacgaatggg aagccaagtg ccatcttcaa aatttcaggt cttaaactctg 420
gagaaggaag ccaacatcct tttggagcca tgaatattgt ccgaactcca tctgttgctc 480
agattggaat ttcagtggaa ttattagaca gtatggctca gcagactcct gtaggtaatg 540
ctgctgtatc ctcagttgac tcattcactc agttcacaca aaagatgttg gacaatttct 600
acaattttgc ttcattcattt gctgtctctc aggccagat gacaccaagc ccatctgaaa 660
tgttcattcc ggcaaagtgt gttctgaaat ggtatgaaaa ctttcaaaga cgactagcac 720
agaaccctct cttttggaac acataatttg aataaaataa tttttaatgg t 771

```

<210> 175

<211> 552

<212> DNA

<213> Homo sapiens

<400> 175

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ggccacctcc tctcccacat ctctgagag gccaggcac caccaccatg actccgactc 60
caactcccc tgctgtaaga ggaggaagcg gggacacagt ggggacagga ggagcccgtc 120
tcgcagggtg catgacagag gctctgaggc ctgatggctg gacctgctc actgctgttg 180
tgggaccctg aaccctccct tcaccttget tgccctcctgc ctcggaagct ccttgggtgt 240
gggtgaagcc cgaggtctgt cctgtggaag tggctctggg caccagcctg tggggctaaa 300
gacttgacag ctagctctgg agcagccggc ttcctggaac acctccaggt ttcgcatacc 360
agggatggcc cctggcttgg cctgcgaagg tgaacctgcc cagatttatc agtagaggct 420
ggactccctc tgtgtcctgc ccatggttgc agcagccatg ggcctatgag cggctctaact 480
gtggccaagt atgggtgacct ctatttttct ttatattgac tctttgtatt tcaataaata 540
tattttaaaa gc 552

```

<210> 176

<211> 401

<212> DNA

<213> Homo sapiens

<400> 176

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gccggctaaa cgcgtgcggg ggaggtggct tcttcgggcc gggccgagag gtggttacat 60
tcgttgaagg acaccagctg cggaaatttg ggctttggca gattgaaatc atggcaggctc 120
cagaaagtga tgcgcaatac cagttcactg gtattaaaaa atatttcaac tcttatactc 180
tcacaggtag aatgaactgt gtactggcca catatggaag cattgcattg attgtcttat 240
atttcaagtt aaggtccaaa aaaactccag ctgtgaaagc aacataaatg gattttaaac 300
tgtctacggt tcttaacctc atctgttaag ttcccatgcc tggagaagct aatgccaact 360
catcatgtga taattcaatt tgtacaataa attatgaacc c 401

```

<210> 177

<211> 396

<212> DNA

<213> Homo sapiens

<400> 177

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gtgttttgag ctggagacgg cctgggtgct ggcgaagcgg aggccggagt aagaagactg 60
ttagaatgcc ctcggttaaca cagaggctga gagatcctga cataaatcct tgtttgctcg 120
aatctgatgc ttccaccaga tgtctggatg aaaataacta tgacagggaa aggtgttcca 180
cttacttctt gaggtacaaa aactgccgga gattctggaa ttctatcgtg atgcagagaa 240
gaaagaacgg agtgaagcca tttatgccta cggcagcaga aagagatgaa atcttgagag 300
cagtgggaaa tatgccctat tgaatgtttg cattaaaagt gtttatataa cttagaagca 360
gatgaatatt tctaataaat gattgctgta atattc 396

```

<210> 178

<211> 949

<212> DNA
 <213> Homo sapiens

<400> 178
 agttttccgag cggcaaggca gcgatggcga ttttttagtgt gtatgtggtg aacaaagctg 60
 gcggcttgat ttaccagttg gacagctacg cgccacgggc tgaggctgag aaaactttca 120
 gttatccgct ggatctgctg ctcaagctac acgatgagcg tgtgttggtt gctttcggcc 180
 agcgggacgg catccgagtg ggtcatgcag tgctggccat caatggcatg gacgtgaatg 240
 gcaggtacac ggccgacggg aaagaggtgc tggagtatct gggtaaccct gctaattacc 300
 cgggtgtccat tcgatttggc cgcccccgcc tcacttctaa tgagaagctt atgctggcct 360
 ccatgttcca ctgctctttt gccatcggtc cccagctgtc tcctgaacag ggaagctcag 420
 gcattgagat gctggagaca gacacattca aattgcactg ctaccagaca ctgacaggga 480
 tcaagtttgt ggttctagca gacccataggc aagctggaat agattctctt ctccgaaaga 540
 tttatgagat ttactcagac tttgccctca agaattcatt ctattcctta gaaatgccta 600
 tcagggtgtga gctctttgac cagaacctga agctagctct ggagggtggc gagaaggctg 660
 gaacttttgg acctgggtca taggctgaac ctgttatgga cccccaatt ctgagagttc 720
 ctgcaacaag aatactgctg ttgacactcc agtggaaatc ccagcagcct tgttagtgc 780
 cttgaaagtg ggagaatgct gaccctgatg acttgtagct attcctgagc cttaacactg 840
 tgctctttcc ttctgtatat gccatggtct tactttccaa ctctgtacag atttatttat 900
 ggaggagcta ggtccataaa tgttgtaata aatattcctt tgatcttgg 949

<210> 179
 <211> 1067
 <212> DNA
 <213> Homo sapiens

<400> 179
 gccatcagtg tgggctgtgc cgtggctgga agttactgtg aggcggcggc taagaaggcg 60
 gctctgggtg cggcgggtgga ggctgaggcg gcggccgagg cggcgacgga ggaaacagaa 120
 gatggcagat tttttgaaag gactgcctgt ctacaacaaa agcaatttta gtcgatttca 180
 cgcgactcc gtgtgcaaag cctcgaaccg acggccctca gtctacctgc ctaccgcgca 240
 gtaccctgtc gaacagatca tcgtgacaga aaagacaaac atcctcctgc gctacctgca 300
 tcagcaatgg gacaaaaaga acgctgccaa gaagagagac caggagcaag tggagctgga 360
 aggcgagagc tccgcacctc cccgcaaggc ggcgcgagcc gacagcccag acatgcacga 420
 ggacacttaa gactctcaac tccacaggcg cctcctgcca ggtctgctcc tcggctcgccc 480
 acccgctgc ccgcatgtg taagcaccac gcccgcccgc ctccctgccg gcccatccac 540
 accctgcgtc cacaccactt ccaacctcat aggagccgat gtattttatt tccttgagtt 600
 tttatttatg ctgtaacctg tatcaagcgt tggttaaagg ggacatcaga cccagtagtg 660
 tgatgttggt agatgctttt taaaaaaaac aacattgtcc ccccgacccc cgccttccat 720
 cgggccagtt ccccgattcc tgccccagc tctccagaga accagagtgt gtctgtgaga 780
 gtctctagcg ggggctttac tgtggccggg cgacaggggc gggcccgggg tggcctgacc 840
 taccaggaca gccgagtggc cttctcccc ccaacaccga tccaggccat tgagactcgg 900
 tcttgtccca ccttcgcccc gaactttccc atgcccagac ctcaactcagc gtgcacgcac 960
 gttggggaga agtcggccct tgggatcttt ctcttgagtc attttatttt tatcatggac 1020
 tagtgcgctg tccgtgtcca cccaataaaa agggctcttt ctactcg 1067

<210> 180
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 180
 ggcacagcca ggggcctgcc gccgagacgg ctactggttc ctaaagctac tgcaggcaga 60
 aacagagcgg ctggaaggct ggtgctgcc gatggacaag gagaccaaa agaacaacct 120
 ctctgaagaa gtcttaggaa aagtcctcag tgctgtgggc agtgcccagc tactgatgtc 180
 ccagaaattc cagcagttcc ggggcctctg tgagcaaaac ttgaaccctg atgccaaacc 240
 acgccccaca gcccaggacc tggcagggtt ctgggacctg ctacagctgt ccatcgagga 300
 tatcagcatg aagttcgatg aactctacca cctcaaggcc aacagctggc agctgggtga 360
 gacccccgag aagaggaagg aagagaagaa accacccct cgggtcccaa agaagccagc 420
 caaatccaag ccggcagtga gccgcgacaa ggctcagac gccagcgaca agcagcgcca 480
 ggaggcccgc aagagactcc tggcgggcaa gcgggcagct tctgtgcggc agaactcagc 540


```

caccgagagc gcagacagca tcgagattta tgtcccggag gccagacca ggctctgaga 600
ccatgcagga ggaaagaaac gattttaaat cattaaaaac acaaaaacta agtgcgaacg 660
gaacagagtt ttcac 675

```

```

<210> 181
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<400> 181
acttccggcc agatcgccgg atttccgctg agtgaccctt acaagtcctt cttgatcctg 60
aactgggtta ggtgccgctg ttgctgctcg tgttgaatct agaaccgtag ccagacatgg 120
gactggagga cgagcaaaag atgcttaccg aatccggaga tcctgaggag gaggaagagg 180
aagaggagga attagtggat cccctaacaa cagtgcgaga gcaatgcgag cagttggaga 240
aatgtgtaaa ggcccgggag cggctagagc tctgtgatga gcgtgtatcc tctcgatcac 300
atacagaaga ggattgcacg gaggagctct ttgacttctt gcatgcgagg gaccattgcg 360
tggcccacaa actctttaac aacttgaaat aaatgtgtgg acttaattca cccagtcctt 420
catcatctgg gcatcagaat atttccttat ggttttggtat gtaccatttg tttcttattt 480
gtgtaactgt aagttcacat gaacctcatg ggtttggctt aggctggtag cttctatgta 540
attcgcaatg attccatcta aataaaagtt ctatgatctg c 581

```

```

<210> 182
<211> 931
<212> DNA
<213> Homo sapiens

```

```

<400> 182
gggatctgga gcagcagctg caggatgagc tcctggagggt ggtctcagag ctccagacgg 60
ccaagaagac gtaccaggca tatcacatgg agagcgtgaa tgccgaggcc aagctccggg 120
aggccgagcg gcaggaggag aagcggggcag gtccgcacag tcgaagccac acctgggtctg 180
ttttctgtgc actgtagcct tagtgtcacc tttcttcttg tgtctcctta tggtagactc 240
cagcgggttg cttttttatc atttctactg aagttgggaa attcaacccc agaaattgac 300
agatgaaagg agacaatggt tgtgtaggga gatggagaaa atgcttaatc tgaggatgag 360
acagggtttt ttcatttttg tgggggctag aaaaaacata aaatgaggca gttaaataat 420
aatagttaat gaaggtgtgc tacagaaaat aatctgggtg tcttgctaac ttgccccttc 480
actgttgctt aattgtgaac agccaaaagc tatatgttat ggcttattgt gtgaaggtaa 540
ctaagaagtg gtgttccatg acttcagagt acatccatgc ggagtccatt atttgagttt 600
gacatttaat aactttgctg gaaaatctgt aaaaaagaaa aacaagtttg ctagtgacta 660
agccccgcac atgtgagtga aagtacttca ggcacgctgc ctcttggtta cagctatgca 720
gggagggagg acccacactg ctacacttct gatccccttt ggttttacta cccaaatcta 780
aatagatact ttgataata gataactgct cttttactaa gacatagtct ctacctatag 840
aaatgtatth tgaaaacact tattttacac agcaattttg tatccattta aactaacctt 900
ttatcaataa agcactattg tttagatatt c 931

```

```

<210> 183
<211> 1016
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 976,980
<223> n = a,c,t, or g

```

```

<400> 183
agcagctgaa gactctccac ctataactgt atcgtgccac attcagattt ttagaatgcc 60
cctcttgatc tggccatata tacattaaat gctattttct tcaagcagtg agacaaagct 120
gagagacgat aggttttaaag attggttaca aattctgatg aagactggtc cttgaagtct 180
ttgggctggt acatggccct ttggaagcaa taggtcatca ctgtgaacaa cttctgtagg 240
tactggtttc catacgaagg gaatacatct tgatgacttt acatgaagtc ttaactttat 300
ttgctgttta atgtaagttg gtcaagggtc ttattgagca gaagaaactt gggaaatgaa 360

```

```

agcactgtta ctgggaccac agttttttgag cctctgctgt caatggaaac agacacttca 420
aaaatgctct ccacggaggc tcagaagaga tgaaaagaca ggaaaaggag ctgaaaagat 480
gaaaaaaaaa aaaaaaaaaa aaaaaggaaa atcaaggcct tctacaaaac aaaaactttg 540
gacagcatct tgattcctcc tccacctctt ccatattagc cttgagactc tttctgaaaa 600
taaaaaggag ggagttcttc cttgtcataa ttatcccatc cttagtgtaa tcactatcca 660
aaattagtct ggaaccttct aaatcaattc catagtctct gggcaatatt ttgagaaatt 720
cgcttaaatgt gacttgacag aatctctggg ctggatggta ttagagcgat tacagtagta 780
ccaacttcag gccaaagcccc aaagtgtaaa aatcgtgttt ctgggctaca ttctgttatg 840
ccagagttta tatagtgtct ggtaacatgt aagccttttt gaaatgaagt ctctaggaa 900
gattgaaaac atcagcaatc ccttgatacc accagcaatc catctaccac ctgtacattt 960
tcactacccc aatatncgan ctccttaaga gaaaggaatt tggttccctg tcacac 1016

```

<210> 184
 <211> 413
 <212> DNA
 <213> Homo sapiens

```

<400> 184
gtttcatctt ctgggattat tgttcaagac cagcctctaa tgggaggtga aacggtagca 60
tgggtctcaac acctttcttc tgaactgtaa tacatatcac aaaaagtaca tccataattc 120
agggcaattg tcagtctttt tagagaaggg gccagggtgg aacaatccca gtgagtaaat 180
tatttctcag cgtggacttc tctgcatgtc gggcttaagg tcaccagccg ggcagggtgg 240
aaggagcttg cctctttgag aaaccaagga gtcccagtga tctgtttacca tttggttatg 300
acttctaaag agccaaatgc tattccttca agcctgtttt gcaggcagaa aataccagca 360
gtgtcattta ggggttcctt tgatgatgac tactgctgtt aactgacctc agc 413

```

<210> 185
 <211> 961
 <212> DNA
 <213> Homo sapiens

```

<400> 185
ttgatttata aatagttgtc agttcacata gcaatttaat caagtaatca ttaattagtt 60
accccctata tataaatata tgtaaatcaat ttcttcaaag agcttgctta catgataatc 120
aattagccaa ccatgagtca tttagaatag tgataaatag aatacacaga atagtgatga 180
aattcaattt aaaaaatcac gttagcctcc aaaccattta attcaaataa acccatcaac 240
tggatgccaa ctctggcgaa tgtaggacct ctgagtggct gtataattgt taattcaaag 300
gaaattcatt taaacagttg acaaactgtc attcaacaat tagctccagg aaataacagt 360
tatttcatca taaaacagtc ccttcaaaca cacaattgtt ctgctgaaga gttgtcatca 420
acaatccaat gctcacctat tcagttgctc tgtggctcagt gtggctgcat agcagtggat 480
tccatgaaag gagtcatttt agtgatgagc tgccagtcca ttcccaggcc aggctgtcgc 540
tggccatcca ttcagtcgat tcagtcatag gcgaatctgt tctgcccagag gcttgtggtc 600
aagcaaaaat tcagccctga aatcaggcac atctgttctg tggactaaac ccacaggtta 660
gttcagtcaa agcaggcaac ccccttgtgg gcaactgacc tgccactggg gtcattggcg 720
ttgtggcagc tggggaggtt tggccccaac agccctcctg tgccctgctc cctgtgtgtc 780
ggggctcctc agggagctga cccagaggtg gaggccacgg aggcagggtc tctggggact 840
gtcggggggg acagagggag aaggctctgc aagagctccc tggcaatacc cccttgtgta 900
attgctttgt gtgcgacagg gaggaagttt caataaagca gcaacaagct tcaaaaaaaa 960
g

```

<210> 186
 <211> 712
 <212> DNA
 <213> Homo sapiens

```

<400> 186
tgccaacatg gtgttcaggc gcttcgtgga ggttggccgg gtggcctatg tctcctttgg 60
acctcatgcc ggaaaattgg tcgcgattgt agatgttatt gatcagaaca gggctttggg 120
cgatggacct tgcactcaag tgaggagaca ggccatgcct ttcaagtga tgcagctcac 180
tgatttcata ctcaagtttc cgcacagtgc ccaccagaag tatgtccgac aagcctggca 240
gaaggcagac atcaatacaa aatgggcagc cacacgatgg gccaaagaaga ttgaagccag 300

```

```

agaaaggaaa gccaaagatga cagatttttga tcgtttttaaa gttatgaagg caaagaaaat 360
gaggaacaga ataatcaaga atgaagttaa gaagcttcaa aaggcagctc tcctgaaagc 420
ttctcccaaa aaagcacctg gtactaaggg tactgctgct gctgctgctg ctgctgctgc 480
tgctgctgct gctgctgcta aagttccagc aaaaaagatc accgccgcga gtaaaaaggc 540
tccagcccag aaggttcctg cccagaaagc cacaggccag aaagcagcgc ctgctccaaa 600
agctcagaag ggtcaaaaag ctccagccca gaaagcacct gctccaaagg catctggcaa 660
gaaagcataa gtggcaatca taaaaagtaa taaaggttct ttttgacctg tc 712

```

<210> 187

<211> 391

<212> DNA

<213> Homo sapiens

<400> 187

```

ggaaacctct gcgccatgag agccaagtgg aggaagaagc gaatgcgcag gctgaagcgc 60
aaaagaagaa agatgaggca gaggtccaag taaaccgcta gcttggttga ccgtggaggc 120
cacaggagca gaaacatgga atgccagacg ctgggggatgc tggtaacaagt tgtgggactg 180
catgctactg tctagagctt gtctcaatgg atctagaact tcatcgccct ctgatcgccg 240
atcacctctg agaccacac tgcctcataaa caaaatgccc atgttggtcc tctgccctgg 300
acctgtgaca ttctggacta tttctgtgtt tatttgtggc cgagtgtaac aaccatataa 360
taaatacacct cttccgctgt tttagctgaa g 391

```

<210> 188

<211> 717

<212> DNA

<213> Homo sapiens

<400> 188

```

aacattttcc cccactcct cccttgatct ttttggtttt actttaatta agccctgcga 60
gaatgctgga taaatgcctt gaagttagca ggggtgtattt ttttagcgaa tatgatttgc 120
atgtcttgcc aggagttaag cggcctctgg ggtgttgggg aaatacttta tttctttcca 180
tttatttttt gtggggcggg gataggggag ggcattgaag ttctacaatt ctggaatagt 240
tagttgatgg tacatagtta acttggtctt gggtacatat tggactttaa caactgaaga 300
atctatgcgt gtcattttaa gaaaagttgc agaacaagca attggcttag atatacaatc 360
tggaaaaaata ttctgtgccc catattttta tgtaattgta taactgggag caaaaatata 420
ttctgctttt caactgtagg tgctccagac ttgctctccg tcaactaacac taaatgtgct 480
gttttccttg tttttcatca aacatttaag acaaacttag acctttctgt aaattatctt 540
ttaatttctc agcaaaatct aaaaggggaa gaaaaaagtc catgaaaact aaaacttttc 600
atgttttttag ccagtggaga gataataaac cctgactgta gaagggtgtg tttcatgcaa 660
actatacttc tgagcttggt aacttctaata tatatcttaa taaatatatt ttattac 717

```

<210> 189

<211> 288

<212> DNA

<213> Homo sapiens

<400> 189

```

gcccgatcatg ctgtccgtac actacgtatg ctgtagagcc attttgtatg ttgtgtaaaa 60
caaaaagcat tgatgaaaaa gcaaaagggtg atgtatgtat atgagaaaat taattgtacg 120
atatcattcc agtacgtttt gttgtacatt ttagtcttgt ttactttctc ttcattgtta 180
agaggatgcg aactgtacag tttccagcta gttaccata ttagagaaga aataagagag 240
tattagaaga aaacaggaga gaaagaacat ttgtgaattg cagttgtc 288

```

<210> 190

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 190

```

gagagatatg tcaagtcttg tttacagaaa aagcaaagga aaccgttctc aagcgggaag 60
aaacaggcag ccaagtcgaa agaggagcta gctcaggaaa agaagaagga gctggaaaag 120

```

```

cgtctgcagg atgtcagcgg gcagctgagc agcagcaaga agcccgcccg gaaagagaag 180
cccggtcag caccctcagg gggcccgtcc aggtcagca gcagcagctc ctccgagtct 240
gggagcagca gctccagcgg gtccagctct gacagcagtg actcagaatg aactggcttc 300
ggacagaaca ggacagatgg atgtcgcaca cgccgagact ctgccgtacc cctctgtggt 360
tcatattact acttctgttc catggtgtgc aggtctgcct cctaattcag tgttatgata 420
tcttccagtt tttgctttca taggtcagag atctatcttg tgtgtggcgt tagacttgat 480
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tgacaacttc aaatgctaac ccgatgaccc cagaaaacag tgtgagattc gtaccgaaga 600
accttgtgga atccctttgc ttaggcccaa cctggtcgat agctcgagaa agaatttttt 660
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ggtcacgcga gcccagccc ggagcgtgga gcccttgggg ggtggtcggg tgggatgtgc 900
gttctccgct cgtggtgatg tcaggagctc ctcgagggga acagagcggc tgtgtatgca 960
gcctgcagggt ttccatacac tgaagctttt acctcaactt t 1001

```

<210> 191
 <211> 1644
 <212> DNA
 <213> Homo sapiens

```

<400> 191
ctttgaagga aaaatgaccc actatggctc tcaaagtttt tatgcatcat ctcttcaatc 60
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ttttgtgaaa aacagggaca gacagccagg tacagagact cacacctgta ctcccaacta 180
ctcagcaggc tggggcagga ggattgcttg agcccaggag tctgaggcta cagtgagcta 240
tgaacgcaca cggcacccta gcctgggcaa caggttgcca aactgtctca agagaaaaga 300
aaaagaaaaa tagggatagg ttttccttcc tagcccagta gajtttgacc tcattagtat 360
ggtgctttgg gtgaggacct ctctcttgat tatcccactt tctagtgaac agctaaaatt 420
cctgagagtc tctactgtta aggtaccttt aataggataa agcagggacc acctatctca 480
gtgggtccat ttttctttta aaattagtta tctgaaaaaa cttagcagta gttcccatct 540
ttaaggtaag tctttcattt ggtcccccatt gtgtaaaata ctaatcaaca ttttcaagct 600
tctgtacaac agactgcttt tgtctagatt tctcaactcc actttataaa gcttatcagt 660
tttcagagag gaatgtgaat tttttttcta atgcaaataa atggatatgg caggaactac 720
agcataagtg attattgtga ttctgggtgg acggatataa tttacaacat ttagggatgt 780
tctaggtagc ctgctgtagt ttgacttcca gtcactgttg tctttcacat tataatttgt 840
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tatttacttt tattttgtta tacatttatt ttaatatcca tgtgtttatt atagtaaatt 1500
tgaaatgaaa tcctgaaaaa cagaattttt ttaaacacag acctcacacc aatattaatt 1560
ttttctctac ataatttaaa actacataaa ttaagtactt aaaatttata ttgaaggcca 1620
ccaagaactt aggttgaatc ttag 1644

```

<210> 192
 <211> 2231
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1680
 <223> n = a,c,t, or g

<400> 192

```

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ctacttgacg ttcgagaaag ctgtgggttca aagaagtga tccacctatc caggggtaca 120
gaaggtagta aggagcagag ctgagatttt aaacctgcat tcttttagagt agccccgttg 180
tctccaggag gaagagcagc aaagcccaga aaatgcagct ccacgtttgc ctgttggtct 240
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ctctccgggg acctggagt gtcgctgttg ctctgtttt gaatgaggac tcaggctcag 360
ggaggatctg taactttccc aggccatgtt gctagcaggt ggcagagccc atctgactcc 420
ttcacaccct ggatcacccc tgcctccctc tctgggcttg tgtctcaatc ctctccctc 480
agggagcagg agcaggatct gtggccaggg agcacatggc ggatctgtcc caagccagac 540
cgccgacctc aatttgcctt ttagagcctt accccattcc agagataggg cgtctccgag 600
aggacacatt ggaggacatc tgggggtctc aaatggccgt ggttctgtcc tgggcactcg 660
gcaggaaatg cagaggggca cttgggcccag attcccatag gtggccccag gaggacagga 720
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aaaacagcat gtgtcggcca gaccagcgtg gtggcccact cctgcaattc cagcactttg 2160
ggaagccaag gcggggagat cacttgagct caggaccagc ctgagtaacg tgacaaaact 2220
ccatctctac c 2231

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<210> 193

<211> 1155

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1114,1119

<223> n = a,c,t, or g

<400> 193

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agttatgtgg aacgctgtta ctgcccttag acttgaaggg acaaggagaa ggagaagatg 120
caggaagaaa aggaagttct ctgtaacagt agcagcagag ccagcccaaa ataacttcaa 180
ggagatggag tctgggagtc aacatgctgg cctcactctc tttcagccct ctgattccct 240
gccagggatt ccccatgggt caaagccaat gggatgcctc cttctgaagc cacaggagcc 300
tgctgataga gttcagagag gacatcctcc ccaggcagag aacagcgtag aaaagtgaag 360
aatggatcag ttggagcaag tctgaagtat ctggcacagg aaaaaacagg gtcagagaata 420
cggcacacag gaaagtgtac cccgaagaag ctttgcacat cctctccttg accagatata 480
gctgtgtgac cttggggcca tcacaccact tctctgattt acagattttt tttcatctgg 540
cagctgctca agttcctaaa gaatatatat gaatgatact tcgagcacct tgtttcccag 600

```

```

gaatgaagag ccaggaaaag cctcgagtgc tgtgattgga aatgagctag ccaaaggcag 660
attcaccatt aaaatgtgaa tccgttattc cacaaggaaa gaaaacaaca ccatgtacgc 720
tagtggttaag tagaaatgcc atcacatttg gggcatgaaa accggaggca atactcgag 780
tgaaacaaac tgtcaactat ggctggaaaa tccaagtgc ctttcaaata aggaatcggt 840
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tggcagcaga cacagcatca catgtcttgt ttcttttatt ccaaaaattc tcccttcaca 960
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agctttgtaa ctgctgaatc ctgtggcctg ggatgcggga cttaacctct gagcttcagt 1080
cttctcaact acaaaatggg gataataaca gccnctttnt tgtgttactg aaacaataaa 1140
atggaaaatg ttcac 1155

```

<210> 194
 <211> 1528
 <212> DNA
 <213> Homo sapiens

```

<400> 194
tggaaaagtg gttcttttga aaggagatgt ggcattactg aactgtacag ccattgtgaa 60
taccagcaat gaaagtctca cagataagaa tcctgtgtca gaaagtatct tcatgcttgc 120
agggcctgat ttgaaggaag atctccagaa acttaaaggg tgccgaacag gtgaagcaaa 180
attgacaaaa ggattcaatc tagctgcccg gttcatcatt cacacagtgg gacctaaata 240
taaaagccgc tatcgcacag cagctgagag ttccctttat agctgctaca gaaacgtact 300
tcaactagca aaagagcagt caatgtcttc tgttggttct tgtgtcatca attctgcaaa 360
acgtggttat ctttttagagg atgcaacaca catagcactt cgcactgtaa gaagattcct 420
agagattcat ggggaaacca ttgaaaaagt agtatttgct gtctctgatc ttgaagaggg 480
tacttaccaa aagctgctac ctctctactt cccaagggtc ttaaaagagg agaatcgatc 540
attgccctac ctacctgcag atattggaaa tgcagaaggg gagcctgtgg tacctgaacg 600
acagattaga ataagtgaga aacctgggtg tcacagaagat aaccaagaag aggaggatga 660
aggcttgagg gttgatctct ctttcattgg ctctcatgct tttgctcgaa tgggaaggaga 720
tattgacaag caaagaaaac tgatccttca gggacaatta tcagaggcag ctctgcagaa 780
gcagcatcaa agaaattata atcgctgggt atgtcaagca agatctgagg atctgtctga 840
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ggtggtagtt ggaagaaaca ttctgtaac attaatagat atggacaagg ctctcttata 960
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tccacgaata gctacctgtt gaagtgatat tcattgttgc tgtacagatc cagagagcct 1440
tttgtcccca cctctctggt atttttttat tgactgtata ttttctggca cataagcaat 1500
ctaaaaatgg taggccattc tgaactgc 1528

```

<210> 195
 <211> 624
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 478
 <223> n = a,c,t, or g

```

<400> 195
ttttaatttt agtttcatga gtctttatatt tttgttacct gcaagttatg ttcttcttca 60
ttgaatttca tatttgagag acatttgtct tcatgaagca gatttgcact ggaaccattg 120
ctttactctg gctggaaatg ccattgtttt ggggacagac ttttaaaatg cccttgtgtc 180
tcccagtga gaggcctaag cattgacttc tctaccctaa aactgtttga gagagggaga 240
gtgggcccct gctttctcaa gcatgggtcg ggggttcagc ggggcctctg tcttttgtgg 300
tgacccctca ggggtttcat tgtttccttc tgacttaage aatagagaga gaatttgttt 360

```

```

tggtactctt cagaggaatt gtgctttggc tcataacttg gccatgttct ccatgaaaaa 420
attctcctat tttttttttt ttaactacct taaacttaag ggaaaagtgc tcctatcntg 480
atttcactgg aatataggct ttaggagctc tgtaaggctg gtatttttgt ctgttttatc 540
ttcttctgta tcgccagtgc ctggaacagt gtctgggtgca cataataggt gctcaataaa 600
aatgtgttca atggatgaat ttgcg                                     624

```

<210> 196
 <211> 417
 <212> DNA
 <213> Homo sapiens

```

<400> 196
cctgagccag cggggcctgg cctacctccc ccatcccctg ctcccttgg aggcagaggg 60
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aatttgtcat aaccactgct gagtggcctt gaggacgaac cccgcaggga gcaagcagta 180
cagtggcatt cccaggggga ccagcagcta cccaaggaga accatgcatg aacagtatca 240
gtcgtctggg ctcatgctgg gatgtcgcag tgctcctgtt gcaactcctc ccagccagcc 300
aggtttgctg ggggccaggc tgggtgtcct cacaggagtg agggctacac ccaattccaa 360
aagcctgaga agagagaagt ggagggggag gcgagtgtgt gaataaaggc tcccaac 417

```

<210> 197
 <211> 328
 <212> DNA
 <213> Homo sapiens

```

<400> 197
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cgggctggat cctgtcacac ctggagacct acaggaggcc agagtgaagg ggtccgttct 120
gtccctcaca ctgtgacctg accagcccca ccggcccatc ctggatcatg tactgcattt 180
gtggccggcc tcccctggat catgtcattc aattccagtc acctcttctg caatcatgac 240
ctcttgatgt ctccatgggt acctccttgg ggggtcactga ccctgcttgg tgggggtccc 300
cttgtaacaa taaaatctat ttaaactc                                     328

```

<210> 198
 <211> 337
 <212> DNA
 <213> Homo sapiens

```

<400> 198
tttttttttt gaaaatggat tcaattttta ttaaataatg taaaggattt tcttggcact 60
attcacattc tcttgccctga gtaaaacaag ccgcgtttat ctgcattggg agcagagggga 120
aagctactgg agcaaacgct aagtgaatgg gttcccgtgc cgagggtgtc ctcatctctg 180
ggctctgtca ggccctccct tgtctgcagg actggacagg ccaccctccc caggccctgc 240
ccttgccgcg agcgtgtcct tccatacaga caacagcctt gctgggtcac ctggaggagc 300
tgcgctcttt gctgacacag tcgtcctggg aggtgaa                                     337

```

<210> 199
 <211> 573
 <212> DNA
 <213> Homo sapiens

```

<400> 199
gaatagttac ggtcggaggc cgatccaggt catgatgatg ggcagcgccc gagtggcgga 60
gctgctgctg ctccacggcg cggagcccaa ctgcgccgac cccgccactc tcaccgacc 120
cgtgcacgac gctgcccggg agggcttctt ggacacgctg gtgggtgctgc accgggcccg 180
ggcgcggtct gacgtgcgcg atgcctgggg ccgtctgccc gtggacctgg ctgaggagct 240
gggccatcgc gatgtcgcac ggtacctgcg cgcggctgcg gggggcacca gaggcagtaa 300
ccatgcccgc atagctgccc cggaagggtc ctccagacatc cccgattgaa agaaccagag 360
aggctctgag aaacctccgg aaacttagat catcagtcac cgaaggctcc acagggccac 420
aactgcccc gccacaacce acccgccttt cgtagttttc atttagaaaa tagagctttt 480
aaaaatgtcc tgccttttaa cgtagatata tgccttcccc cactaccgta aatgtccatt 540

```

tatatcatf'tt tttatatatt cttataaaaa tgt

573

<210> 200

<211> 1701

<212> DNA

<213> Homo sapiens

<400> 200

```

gaaggaaaag agcctggaga ccttaaattc agcaaagggtg acatcatcat tttgcgaaga 60
caagtggatg aaaattggta ccatggggaa gtcaatggaa tccatggctt tttccccacc 120
aactttgtgc agattattaa accgttacct cagccccccac ctcatgtcaa agcactttat 180
gactttgaag tgaaagacaa ggaagcagac aaagattgcc ttccatttgc aaaggatgat 240
gttctgactg tgatccgaag agtggatgaa aactgggctg aaggaatgct ggcagacaaa 300
ataggaatat ttccaatttc atatgttgag tttaactcgg ctgctaagca gctgatagaa 360
tgggataagc ctctgtgcc aggagtgtat gctggagaat gttcctcggc agcagcccag 420
agcagcactg ccccaaagca ctccgacacc aagaagaaca ccaaaaagcg gcactccttc 480
acttccctca ctatggccaa caagtccctc caggcatccc agaaccgcca ctccatggag 540
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ctgtctgggc tctcctgcag tgcccccttct caggttcata taagtaccac cgggttaatt 660
gtgaccccg cccaagcag ccagtgaca actggcccct cgtttacttt cccatcagat 720
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gccatcagta tcagtcgagc cagtgccct ctggcctgtg cagcagctgc tccactgact 1560
tccccaaagca tcaccagtgc ttctctggag gctgagccca gtggccggat agtgaccgtt 1620
ctccctggac tccccacatc tcctgacagt gcttcatcag cttgtgggaa cagttcagca 1680
accaaaccag acaaggatag c

```

<210> 201

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 149,337,341,694,791,845,907,1103,
1115,1128,1141,1145

<223> n = a,c,t, or g

<400> 201

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<210> 202
 <211> 1975
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 204
 <211> 981
 <212> DNA
 <213> Homo sapiens

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<400> 204
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<210> 205
 <211> 1615
 <212> DNA
 <213> Homo sapiens

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<400> 205
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<210> 206
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 206
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<210> 207
 <211> 610
 <212> DNA
 <213> Homo sapiens

<400> 207
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 <211> 2454
 <212> DNA
 <213> Homo sapiens

<400> 208
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<210> 209

<211> 1967

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1949

<223> n = a,c,t, or g

<400> 209

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<210> 210
 <211> 1682
 <212> DNA
 <213> Homo sapiens

<400> 210

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 <212> DNA
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<400> 211

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 213

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<212> DNA
<213> Homo sapiens

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<211> 1963
<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<210> 220
<211> 1373
<212> DNA
<213> Homo sapiens

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<400> 220
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<210> 221
<211> 982
<212> DNA
<213> Homo sapiens

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<400> 221
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<210> 222
 <211> 1963
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1963
 <223> n = a,c,t, or g

<400> 222
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<210> 223
 <211> 1627
 <212> DNA
 <213> Homo sapiens

<400> 223
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<210> 224

<211> 1868

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 659

<223> n = a,c,t, or g

<400> 224

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 tttcattc 1868

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 <211> 2980
 <212> DNA
 <213> Homo sapiens

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<210> 226

<211> 1013
 <212> DNA
 <213> Homo sapiens

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 <211> 2634
 <212> DNA
 <213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 2048

<212> DNA

<213> Homo sapiens

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<400> 233

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<210> 234

<211> 2748

<212> DNA

<213> Homo sapiens

<400> 234

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<210> 235

<211> 1963

<212> DNA

<213> Homo sapiens

<400> 235

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<210> 236
 <211> 2202
 <212> DNA
 <213> Homo sapiens

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 <221> misc_feature
 <222> 2148
 <223> n = a,c,t, or g

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<400> 236
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<210> 237
 <211> 1657
 <212> DNA
 <213> Homo sapiens

<400> 237

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<210> 238

<211> 979

<212> DNA

<213> Homo sapiens

<400> 238

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<210> 239

<211> 2193

<212> DNA

<213> Homo sapiens

<400> 239

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<210> 242

<211> 1995

<212> DNA

<213> Homo sapiens

<400> 242

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a c a t a g t g c c   c t g t t a a a t t   c c c c c a c t t t   a a c t t c c t t g   t g a t c a a c a g   t a a c t g g a t g   780
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t c g t g t t g c c   t t t t c a g g t g   c c a t t t c t a c   t g c c t a a t a c   a g g c c a t t t g   c c t t g t g a a g   1020
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a t t t c t g g t g   t a g a g t c c a c   a t t a t t t a g t   t t g t t t a c t t   t t a a a t t t c a   a a g t t c a a a t   1620
c t g a a g a a t t   a g c g t t t g t g   a t t t c g g g a t   a c c a t g c a g t   g g t t t t a a t c   c c a g g a a a a a   1680
a a c t a t c a a c   a a a a g t t c g t   t t g a t t c t c a   t t a t g a a c t t   t g t a g a a c c a   t c c t t t c t a g   1740
a t g g g t c c a c   c a c a g t g a a t   t t g t a a c t t t   g a a g c a g g a t   a g a a t a t c a t   t a g a t t a t c t   1800
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g g t g t g g t g a   t g g g c a c c t g   t a a t c c c a g c   t a c t t g g g a g   g c t g a g g c a g   g a g a a t c a c t   120
t g a a c c t g g g   a g g c a g a g g t   t g c a g t g a g c   c a a g a t t g c g   c c a c t g c a c t   c c a g c c t g g g   180
c a a c a a g a g c   g a a a c t c a g t   c t t a a a a a a a   a a a a a a a g g g   a c a a g g g g c t   a g g a a a g t t t   240
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c c c g a g a a t g   g c c a c g a t t c   a g a a t g a g c c   a g t c c c g t g t   g g g g g c t g t a   g a g a a g c g t g   360
a t c a g a g c a t   a g t g t c c c t g   g a t g g a t g g g   c t a t g g a g g c   t t t c c c t g c c   t c t t t c t a g g   420
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 <211> 1850
 <212> DNA
 <213> Homo sapiens

<400> 252

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<211> 1767

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 1896
 <212> DNA
 <213> Homo sapiens

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<210> 256

<211> 1896
 <212> DNA
 <213> Homo sapiens

<400> 256

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 <211> 1590
 <212> DNA
 <213> Homo sapiens

<400> 257

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<211> 2825

<212> DNA

<213> Homo sapiens

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<210> 259
 <211> 2296
 <212> DNA
 <213> Homo sapiens

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<400> 259
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 <212> DNA
 <213> Homo sapiens

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<210> 261
 <211> 1575
 <212> DNA
 <213> Homo sapiens

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<210> 262
 <211> 1841
 <212> DNA
 <213> Homo sapiens

<400> 262

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<210> 263
 <211> 1907
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 <213> Homo sapiens

<400> 263

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<210> 264

<211> 697

<212> DNA

<213> Homo sapiens

<400> 264

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<211> 1960

<212> DNA

<213> Homo sapiens

<400> 265

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 <212> DNA
 <213> Homo sapiens

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<210> 267
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <211> 1693
 <212> DNA
 <213> Homo sapiens

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<210> 270
 <211> 2149
 <212> DNA
 <213> Homo sapiens

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<400> 270
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<211> 1812

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 273

<211> 1542

<212> DNA

<213> Homo sapiens

<400> 273

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 <211> 2085
 <212> DNA
 <213> Homo sapiens

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<210> 275
 <211> 2507
 <212> DNA
 <213> Homo sapiens

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<400> 275
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<210> 276
 <211> 2824
 <212> DNA
 <213> Homo sapiens

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<400> 276
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<210> 277
<211> 1829
<212> DNA
<213> Homo sapiens

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<400> 277
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<210> 278

<211> 2470

<212> DNA

<213> Homo sapiens

<400> 278

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 <211> 2057
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 <213> Homo sapiens

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<210> 281

<211> 1874

<212> DNA

<213> Homo sapiens

<400> 281

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 <211> 1050
 <212> DNA
 <213> Homo sapiens

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 <222> 330
 <223> n = a,c,t, or g

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<210> 283
 <211> 3384
 <212> DNA
 <213> Homo sapiens

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<210> 284
 <211> 2571
 <212> DNA
 <213> Homo sapiens

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<210> 285
 <211> 1861
 <212> DNA
 <213> Homo sapiens

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<210> 286
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 <212> DNA
 <213> Homo sapiens

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<210> 287
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 <212> DNA
 <213> Homo sapiens

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<210> 288
<211> 398
<212> DNA
<213> Homo sapiens

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<400> 288
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<210> 289
<211> 520
<212> DNA
<213> Homo sapiens

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<210> 290
<211> 2241
<212> DNA
<213> Homo sapiens

<400> 290

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<210> 291

<211> 1827

<212> DNA

<213> Homo sapiens

<400> 291

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 <212> DNA
 <213> Homo sapiens

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<400> 292
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<210> 293
 <211> 1241
 <212> DNA
 <213> Homo sapiens

<400> 293

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<210> 294

<211> 1608

<212> DNA

<213> Homo sapiens

<400> 294

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<210> 295

<211> 2236

<212> DNA

<213> Homo sapiens

<400> 295

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<210> 296

<211> 748

<212> DNA

<213> Homo sapiens

<400> 296

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<210> 297
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 <212> DNA
 <213> Homo sapiens

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<400> 297
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<211> 3479

<212> DNA

<213> Homo sapiens

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<210> 299
 <211> 416
 <212> DNA
 <213> Homo sapiens

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<210> 300
 <211> 259
 <212> DNA
 <213> Homo sapiens

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<400> 300
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tctttccctg gatgctgctt ctcaagtaac tccctctctc ttcgtgtgtg tactcggcct 180
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aattaaatta tatattttt 259

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<210> 301
 <211> 2968
 <212> DNA
 <213> Homo sapiens

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<400> 301
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<210> 302

<211> 2023

<212> DNA

<213> Homo sapiens

<400> 302

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<210> 303
 <211> 1746
 <212> DNA
 <213> Homo sapiens

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<400> 303
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aattcc 1746

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<210> 304
 <211> 1774
 <212> DNA
 <213> Homo sapiens

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 <222> 1642
 <223> n = a,c,t, or g

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1774

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<210> 305
<211> 677
<212> DNA
<213> Homo sapiens

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<400> 305
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<210> 306
<211> 1315
<212> DNA
<213> Homo sapiens

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<400> 306
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<210> 307

<211> 950

<212> DNA

<213> Homo sapiens

<400> 307

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<210> 308

<211> 1947

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1947

<223> n = a,c,t, or g

<400> 308

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 <212> DNA
 <213> Homo sapiens

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<210> 310
 <211> 1898
 <212> DNA
 <213> Homo sapiens

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<210> 311
 <211> 1808
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 801
 <223> n = a,c,t, or g

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1808

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<210> 312

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<212> DNA

<213> Homo sapiens

<220>

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<222> 637,1872

<223> n = a,c,t, or g

<400> 312

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<211> 1757
<212> DNA
<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 314

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 <213> Homo sapiens

<400> 315

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 2706

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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 <212> DNA
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<210> 321

<211> 1640

<212> DNA

<213> Homo sapiens

<400> 321

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<210> 322

<211> 2670

<212> DNA

<213> Homo sapiens

<400> 322

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<210> 323
 <211> 1914
 <212> DNA
 <213> Homo sapiens

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<400> 323
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<210> 324
 <211> 2275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2149,2268,2273
 <223> n = a,c,t, or g

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<400> 324
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<210> 325

<211> 2029

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1929,1993

<223> n = a,c,t, or g

<400> 325

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<210> 326
 <211> 403
 <212> DNA
 <213> Homo sapiens

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<400> 326
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<210> 327
 <211> 1863
 <212> DNA
 <213> Homo sapiens

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<400> 327
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cactgctcct ggcagagtga gtaacccaaa ggcccttctg gcctccttgt agctgttttc 180
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cgc 1863

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<210> 328
 <211> 1855
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1855
 <223> n = a,c,t, or g

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<210> 329
 <211> 2095
 <212> DNA
 <213> Homo sapiens

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<400> 329
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<210> 330

<211> 2380

<212> DNA

<213> Homo sapiens

<400> 330

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<210> 331
<211> 1266
<212> DNA
<213> Homo sapiens

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<400> 331
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caaaac 1266

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<210> 332
<211> 1473
<212> DNA
<213> Homo sapiens

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<400> 332
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tatgcatata taggatcatg tattctgttt tgatcccgct ttctagtcgt aactataaaa 180
tgcagtgttt ttcattttat aataaaaact ttaaaacgtc tttacttgct tattttaact 240
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<210> 333
<211> 2076
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1969-1972, 2024, 2026
<223> n = a, c, t, or g

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<400> 333
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<210> 334
 <211> 1143
 <212> DNA
 <213> Homo sapiens

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<400> 334
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<212> DNA

<213> Homo sapiens

<400> 336

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<212> DNA

<213> Homo sapiens

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<211> 1062

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 344

<211> 1917

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1867

<223> n = a,c,t, or g

<400> 344

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<210> 345

<211> 512

<212> DNA

<213> Homo sapiens

<400> 345

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<210> 346

<211> 1814

<212> DNA

<213> Homo sapiens

<400> 346

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<210> 347
<211> 1733
<212> DNA
<213> Homo sapiens

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<222> 314
<223> n = a,c,t, or g

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<210> 348
<211> 3032
<212> DNA
<213> Homo sapiens

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<222> 2812
<223> n = a,c,t, or g

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<400> 348

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<210> 349

<211> 1767

<212> DNA

<213> Homo sapiens

<400> 349

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<210> 350

<211> 2439

<212> DNA

<213> Homo sapiens

<400> 350

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<210> 351

<211> 908

<212> DNA

<213> Homo sapiens

<220>

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<223> n = a,c,t, or g

<400> 351

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<210> 352

<211> 1497

<212> DNA

<213> Homo sapiens

<400> 352

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<210> 353

<211> 843

<212> DNA

<213> Homo sapiens

<400> 353

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<210> 354

<211> 2229

<212> DNA

<213> Homo sapiens

<400> 354

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<210> 355

<211> 1859

<212> DNA

<213> Homo sapiens

<400> 355

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<210> 356

<211> 1088

<212> DNA
<213> Homo sapiens

<400> 356

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<210> 357
<211> 512
<212> DNA
<213> Homo sapiens

<400> 357

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<210> 358
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<212> DNA
<213> Homo sapiens

<400> 358

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<211> 1608

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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<210> 362
 <211> 810

<212> DNA

<213> Homo sapiens

<400> 362

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<211> 2213

<212> DNA

<213> Homo sapiens

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2213

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 <212> DNA
 <213> Homo sapiens

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<210> 366
 <211> 744
 <212> DNA
 <213> Homo sapiens

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<400> 366
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<210> 367
 <211> 1351
 <212> DNA
 <213> Homo sapiens

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<400> 367
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<210> 368
 <211> 1045
 <212> DNA

<213> Homo sapiens

<400> 368

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<210> 369

<211> 1781

<212> DNA

<213> Homo sapiens

<400> 369

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<210> 370

<211> 404

<212> DNA
 <213> Homo sapiens

<400> 370

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<210> 371
 <211> 1219
 <212> DNA
 <213> Homo sapiens

<400> 371

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<210> 372
 <211> 1690
 <212> DNA
 <213> Homo sapiens

<400> 372

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<210> 373

<211> 297

<212> DNA

<213> Homo sapiens

<400> 373

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<210> 374

<211> 1150

<212> DNA

<213> Homo sapiens

<400> 374

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<210> 375

<211> 623

<212> DNA

<213> Homo sapiens

<400> 375

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<210> 376
 <211> 1108
 <212> DNA
 <213> Homo sapiens

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<210> 377
 <211> 574
 <212> DNA
 <213> Homo sapiens

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<400> 377
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cttcgtccgc acggccccag ctggagttgc actt 574

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<210> 378
 <211> 2235
 <212> DNA
 <213> Homo sapiens

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<400> 378
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aagatgtttc tagac 2235

```

<210> 379

<211> 1543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 776,1178,1487

<223> n = a,c,t, or g

<400> 379

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ccgtgcaagt aaactcactc aggtgttaag agattctttc ataggtgaaa actctcgtac 180
ctgcatgatt gccacaatct ctccagggaat ggcactcctg gaaaataactc ttaatacatt 240
aagatatgca aatagggtca aagaattgac tgtagatcca actgctgctg gtgatgttcg 300
tccaataatg caccatccac caaaccagat tgatgactta gagacacagt ggggtgtggg 360
gagttcccct cagagagatg atctaaaact tctttgtgaa caaatgaag aagaagtctc 420
tccacagttg tttactttcc acgaagctgt ttcacaaatg gtagaaatgg aagaacaagt 480
tgtagaagat cacagggcag tgttccagga atctattcgg tgggtagaag atgaaaaggc 540
cctcttagag atgactgaag aagtagatta tgatgtcgat tcataatgcta cacaacttga 600
agctattctt gagcaaaaaa tagacatttt aactgaactg cgggataaag tgaaatcttt 660
ccgtgcagct ctacaagagg aggaacaagc cagcaagcaa atcaaccgca agagaccccg 720

```



```

tggcccttta aaccggcatt tgctgctaaa ggatacccag aaccctcact actgtnacat 780
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gttttgtcct tcacctgaat tacatttcaa ttttgtgaaa cactcttttg tctacaaaat 900
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```

<210> 380

<211> 1087

<212> DNA

<213> Homo sapiens

<400> 380

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ggaaccgccg tcccaacatc acaaaaagtg aaagaagccg gaagagattt tacctattta 180
atagtgggtgc tttttggaat cagcattaca ggtggcttgt tttacacgat tttcaaagaa 240
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catcctgagg tgatcgggtg ctttgggtgag tctgttaaag gctatgggga ggtgacaagg 360
cggggtcgcc ggcagcatgt caggttcact gaatatgtaa aagatgggct gaaacacacg 420
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tcttatacta gaagaactat tatcattgaa gataatcgat cccaagatga ttaaaataat 600
caagcaagca ggtttctgat ggatgttgaa tggcgtggac tcgctactcc gttcttcaca 660
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aaatacagca tattttatgt tctccattg actcaatcat gacaatattt ctgctttaac 840
accatctttc gtgattagaa atgtttgtta ttggaaatgt tacaccatgt aaataaagga 900
aatagatttt agtattgtat tcattttata ttatagaact gcataatgtc tgcagaataa 960
aattaaaact aacaaatatg tcattagcag ctgccctccg catactttgg aatctgactt 1020
gagataagca tgtgaaaatg gttgagggcc atagggaacc agatggtaaa tacattcttc 1080
aaaattg 1087

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<210> 381

<211> 2349

<212> DNA

<213> Homo sapiens

<400> 381

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acaaccagac atgggtccac cgtatgggg agagcatcct gccaccacg ctcaccacgc 180
tctggtcctt ctcagtggcc atcttttctg ttgggggcat gattggctcc ttctctgtgg 240
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tatatatatt tttggttgtc aatattaaat acagacacta agttatagta tatctggaca 2280
agccaacttg taaatacacc acctcactcc tgttacttac ctaaacagat ataaatggct 2340
ggtttttag 2349

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<210> 382
<211> 342
<212> DNA
<213> Homo sapiens

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<400> 382
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caaatttcca aagacttggg ggagtgaagg cagagcctgg tgcagatgga cgaggtctgc 120
agacggaggg cagaggtggt ggaaggggcc aggggcctgc aggcctcccc ctggaactgg 180
gactggcttc ggtctgctga cgtcagggtc agctcccccg cggagctgac ttcagcagcc 240
cacagctgtg gggcttcagc agccacacca gccagccca gccagctct cgatacgttt 300
ggtctttcat gctgaaaaat aaataataaa gcctgtcccg tg 342

```

<210> 383
<211> 295
<212> DNA
<213> Homo sapiens

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<400> 383
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tggtcattgt tgctgttaca aagaagaaaa ccatctgagt tctaactcct tggttgctta 180
aaagtagttc ccaagagtct gagaagctat ttctattttt aagagtcatt ttttgtaatt 240
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```

<210> 384
<211> 549
<212> DNA
<213> Homo sapiens

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<400> 384
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tacaagatct accccggaca cgggaggcgc tacgccagga ccgacgggaa ggttttccag 120
tttcttaatg cgaaatgcga gtcggctttc ctttccaaga ggaatcctcg gcagataaac 180

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tggactgtcc	tctacagaag	gaagcacaaa	aagggacagt	cggaagaaat	tcgaaaagca	240
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gtatgggcca	agaggaatca	gaaacctgaa	gttagaaagg	ctcaacgaga	acaagctatc	360
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gctaaggcac	ctacaaaggc	agcacctaag	caaaagattg	tgaagcctgt	gaaagtttca	480
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ttataactc						549

<210> 385
 <211> 1881
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 649
 <223> n = a,c,t, or g

<400> 385					
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taattagcat	tttcatcata	tttttggttag	tgataggaac	tcttctttta	gccctactcc 120
tgactgcaaa	ggtacatcaa	gagagtgtac	acatgattga	agtcacaagt	aatttgatta 180
atgaaactct	agcaaatcac	cctgagtggg	caaattggct	tcctgaggct	caggtagtcc 240
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aataaatcat	aagtataagg	g			1881

<210> 386
 <211> 435
 <212> DNA
 <213> Homo sapiens

<400> 386					
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gaaaatggag	ttctgggttg	gaggcttatt	ccatgtttac	acaattaaaa	ttgcagtgtt 120
cctctctggg	atgagagctc	taaagcagag	taagattacg	ttctgatgta	agctttaacc 180

acctatattat	aaggtctcac	ctgtggtcca	ctgtgttgag	acttctacag	aagagcttct	240
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agctttgtcc	catttcttat	cctttttgct	cttttagaaat	ttccctttaa	tttattacat	360
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aatttaactt	ttccc					435

<210> 387
 <211> 945
 <212> DNA
 <213> Homo sapiens

<400> 387						
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<400> 388						
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 <212> DNA
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<400> 389

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<210> 390

<211> 1974

<212> DNA

<213> Homo sapiens

<400> 390

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<210> 391

<211> 2167

<212> DNA

<213> Homo sapiens

<400> 391

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<210> 392

<211> 475

<212> DNA

<213> Homo sapiens

<400> 392

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<210> 393

<211> 1512

<212> DNA

<213> Homo sapiens

<400> 393

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<210> 394

<211> 489

<212> DNA

<213> Homo sapiens

<400> 394

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 <211> 380
 <212> DNA
 <213> Homo sapiens

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 <211> 1542
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 397
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 agatgcgcag gctgatcacc cgagggggaat ggcagtcgga ggcgcaggac accatgaaga 300
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 gtgaactgga aaagatcatt gctgagaaag aggagcgtgt ctctgaactg cgccatcaac 420
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<210> 398
<211> 1186
<212> DNA
<213> Homo sapiens

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<400> 398
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gccctgaccg aggagcagct cctgggcagc ctgctgcggc agctgcagct cagcgaggtg 180
cccgtagctg acagggccga catggagaag ctggctatcc ccgccacgtg agggcccagt 240
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tcttagagaa cttgtcacca gaaaccacat gtatttgcatt gttttttgtt aatttagcta 1140
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<210> 399
<211> 2749
<212> DNA
<213> Homo sapiens

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<400> 399
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tgccccagg tctgaggtc tgcattcccc atcaggaagg ggaaaagatt tctgcaaatg 180

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agaatagcct ggcagtcctg tccacccctg cogaagatga ctcccgtgac tcccagggtta 240
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gtctttctga aagttctcct cccaaagcaa tgaagaagtt tcaggcacct gcaagagaga 360
cctgcgtgga atgtcagaag acagtctatc caatggagcg tctcttggcc aaccagcagg 420
tgtttcacat cagctgcttc cgttgctcct attgcaacaa caaactcagt ctaggaacat 480
atgcatcttt acatggaaga atctattgta agcctcactt caatcaactc tttaaatcta 540
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<210> 400
 <211> 1167
 <212> DNA
 <213> Homo sapiens

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<400> 400
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ggtcgaagat caagtacatg gagtatgaca gcccatggga ccacctttga attagttccg 180
acttctccac ccaaggatgt gactgttgtg agtaaagagg ggaaacctaa gaccataatt 240
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agtacagatg tgaatgcaga gatacatgac tgggttattg agcctgttgt gggaaacaga 360
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cggaactcaa agggcatggg acccatgtct gcgctgtccc attcagcatg acgaccttca 480
ccaggacctg acttcaaacc tgagtctgga agtcttggaa cttacccttg aaaacaagga 540
attgtacaga gtacgagagg acagcacttg agaacacaga atgagccagc agactggcca 600
gcgctctgtg gtagggctgg ctccaggcat ggccacctgc cttcccctgg tcagcctgga 660

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catttttatt ttttaatttt gagtcattgc atcctctacc agctgttaat ccatcactct 1080
gagggggagg aaatgttgca ttgctgtttg taagcttttt ttattatttt tttattataa 1140
ttattaaagg cctgactctt tctctc 1167

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<210> 401
 <211> 1004
 <212> DNA
 <213> Homo sapiens

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<400> 401
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aagctcaaga acttcaagac agctgccacc tttgctcggc gcctactaga actcggggccc 180
aagcctgagg tggcccaaca gaccgaaaa atcctgtctg cctgtgagaa gaatcccaca 240
gatgcctacc agctcaatta tgacatgcac aacctctttg acatttgtgc tgcatacat 300
cggcccatct accgtggaaa gccagtagaa aagtgtccac tcagtggggc ctgctattcc 360
cctgagttca aaggtcaa atctgcagggtc accacagtga cagagattgg caaagatgtg 420
attggtttta ggatcagtc tctgcagttt cgctaaggcc ccttttgtgt gcatgggtca 480
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<210> 402
 <211> 1518
 <212> DNA
 <213> Homo sapiens

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<400> 402
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tgttcttata cccattgtat tgataaggaa actgccagag gtactcagct aagaagagga 180
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tacaaccat atatcctctg ggatctgccc aggtttctgt ataaggcttg acctacgtaa 420
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gttataaaaag tttttttaaac attcaatatt ttttaattata agagacattt gttactagag 1320
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tgccacgtgt tctgttgggg ataaaattgc acaataaatg tcaagtctct gttaagtgtt 1440
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ataacttttc tctccctg 1518

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<210> 403
 <211> 869
 <212> DNA
 <213> Homo sapiens

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<400> 403
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catttgtggc cgtttatctt cctctggccc ataatttaca cattgttctt tttcttattt 240
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ggccaggctg gtcttgagct cctgccctca agtgatccgc ccgcctggcc ctcccaaagt 780
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gaaccagga gtttttgaga cttcatctc 869

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<210> 404
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 321,644,709,749,812
 <223> n = a,c,t, or g

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<400> 404
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tgaccagcca ccgagcccca gagggatctc catgaatgtc agagacattg actggaggcc 180
ttatctccag tgggagaccc cttctcttcc cactgtgggc cggttccagc ctgggctgtc 240
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<210> 405
 <211> 1148
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 204

<223> n = a,c,t, or g

<400> 405

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<210> 406

<211> 878

<212> DNA

<213> Homo sapiens

<400> 406

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aggtgatgcc atcaaagttt ttgtgcgaat tcgtcctcct gcagaaagat ctgggtcagc 180
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<211> 1832

<212> DNA

<213> Homo sapiens

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<223> n = a,c,t, or g

<400> 407

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<223> n = a,c,t, or g

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<223> n = a,c,t, or g

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<213> Homo sapiens

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2725

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<210> 419

<211> 1923

<212> DNA

<213> Homo sapiens

<400> 419

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ccgcgcagct ccgcgcagcc ctcatcgcaa ctgggcccgc gcgcaggcct tacataggaa 60
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aggtggagca gagaacagtt cctcagctgg tcatgctgag ctcatacct gatggctgct 180
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ctgggaagaa tcaccatttt tcttctggca gatgactgta ttccttatag gacaggcaag 1860
gtttcattca tctgttctca gtaagtttgt tgttgaactg aaatgaattt cattatttcc 1920
tcc 1923

```

<210> 420
<211> 534
<212> DNA
<213> Homo sapiens

```

<400> 420
ggagacttcc accctggggt cccaaacgcc gctaacgccc agacgcattg atgcaccccc 60
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ggtctgagct gcggcagccc cagggcaggg ggccctacct cctcagctct gtcttggat 180
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gttgggtagc tggggccagg cttctctccc caccacctgc agatttcttg ctgcttccac 360
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gcactgccag gtagctgggg gagtggcatg gggcaggggc ccagttctca gcagcagaca 480
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```

<210> 421
<211> 506
<212> DNA
<213> Homo sapiens

```

<400> 421
gtgccagctg gcttaagtac ccaaagaaaa gaatgcagca gcctaactta gtgttaccat 60
atgttactga atttgaaact gacctttttt cccaccctac ttcacacacc taaaactctt 120
ttcttgtcag accaaagagc gaaaagaaaa aaaagtaaaa cactttacca atctgtcact 180
caggtacaat tttgtggtga gatttttgtc tgttctcttt gtattgctct taagagtcct 240
ttctcagcat attattctgc cattgcctct gtcttcttgg ggcacctca gctctggatg 300
ctacccttgg gatattctact gctgttatgt gaatgatagg aggtaatgta ccattatagt 360
aagggctctt tgtaaaaaaa ttcaaaaaat ttaaaaagga tgtatacatt ttatagtctg 420
gctatcagtt tgatatcttg ctgtcaagta tgtttctcaa tctgtattta tccatcccat 480
caataaatgt taatggtaaa acactc 506

```

<210> 422
<211> 1109
<212> DNA
<213> Homo sapiens

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<400> 422
caaaaacagg gtgatctcat tagattttga agatatatga ctcttttggg ctacatttca 60
tattgatcaa tttctaggta tttttcactg gcccaaagta ttgcattccc ttaacagcaa 120
gcacaagttc tctatatcac ttgttttttg ttgttgttgt tgttgtcgtg gttgttttga 180
gacggagtct tgctcagggtg ccccgagtg cagtgggtgca atctcagctc actgcaacct 240
ccacctctg ggttcaagca attctcctgc ttcagcctcc cgagtagctg ggattacagg 300
tgtgtaccac cacgcctggc aatttttttg tatttttagt agagatgggg tttcgccgtg 360

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ttggtcaggc	tggtctcgaa	ctcctgacct	caggtgatcc	gcctgcctcg	gcctcccaaa	420
gtgctgggat	tacaggagtg	agccactgtg	cctggcctat	cccacttggg	ttttgactga	480
aggggaagt	tagaaatata	ttgattttgtg	atttctgggtg	tcacctgtgt	tacaaaaaat	540
caaaacaaat	ctttttttatt	ttttattatt	attattattt	ttgagacaga	gtctcgctct	600
gtcgcccagt	gtggagtga	gtgggtgtgat	cttggctcac	tgcaaaactcc	gcctcccagg	660
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cccagctaata	tttttgtatt	tttagtagag	ttgggggtttc	accatgttag	ccaggatggg	780
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tgtgagctac	cactcacggc	ccaaatcttc	ttgatcatat	gtttaaatat	attttttaat	900
atttgagca	tgagttgtca	cttcttggtt	gcctttttta	taaggaaatg	ttggagagtt	960
acatcattgc	taatgtagaa	atgttaagt	gaaaaatata	cagtttggtg	aaataaacta	1020
gattctacat	ttatttgtgg	gtttttttcc	cctcctttct	ttccacagca	cttttgatat	1080
caagcaagt	gcttcctttt	tgagatatt				1109

<210> 423

<211> 1468

<212> DNA

<213> Homo sapiens

<400> 423

accaaactcc	tgcgctgggt	gaagaaagag	gaggaccggc	tcttcattcg	ttaccacccc	60
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ggactctgat	agttggagct	cccagaccag	gcagtgtctg	gagcaaccac	ctttgtttttt	180
taccttctgt	ctaccctgga	aatgtgtgtg	gggggtgtgtc	tgtggccagt	cattgtctctc	240
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cgagcaggct	gctttccctg	cccagtcacg	cacctcccc	tctggggaaa	tccttagggc	360
tccctctccc	ttccctctgt	ctcatctcct	ccactttgga	tgatgctcta	gcctctgtca	420
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gtgtccagat	ctggccaagg	tgtctagggg	ggcccacggg	gggtgctggaa	ttggcacttc	540
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ggcctaaaag	taagaccac	aaggatattc	ctttgccctt	cttgtaacttt	tttcatcttt	660
accctgccag	aaatgaccgc	ccctcaatgc	tggctgctgc	taacattaat	gagaagggtg	720
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aaaggaggga	ggattcgtcc	cattacaata	atgaaataat	gatattctaa	tttttttaaa	1440
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<210> 424

<211> 677

<212> DNA

<213> Homo sapiens

<400> 424

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actgggtggg	gcctccctg	cctgccatta	aacttttctt	acagccactg	tccctttatc	180
tgtgacttct	gagtcacccg	acggatccat	tagttgttca	atgagaagtt	cacagatctt	240
gtatcaggat	ataaactgat	cttatgttga	aggatgcacc	ctcccctaata	gaatgtattc	300
tcttaataatt	ccgatgctgt	atttgtgcat	cagttggaga	ctgtccacat	ccgacatttc	360
accgacacct	caaggacact	tctacttatg	agcagttcat	cattctgggg	cttctcctta	420
tattaataact	ctttccattg	agtcctgcca	aatcctttat	tgggttttct	ttttcctttg	480
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ttttgtggtc agctgaggat gctgccaaga acaccactgt atatctgtgg cttggggaatg 600
ttaagaggaa cgtgcaggcc cttccattga tgatattccc ttctcaacat ttttaaacia 660
gcacaaatga tatattgt                                     677

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<210> 425
<211> 1654
<212> DNA
<213> Homo sapiens

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```

<400> 425
ctgtgagtta cgggcaacca gcctcttcag cctcacaccc attcccctga gagcaagaag 60
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gtggggcgag tgccatgtgg acagtgggtg atgatgtgtg tgcttcaggc tgctccctga 180
cccctctgac ctttccacga gtgtcacatg ggaatgtgtg gggcgaggc gcgggtgcgg 240
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gctgctccct caaccttctt gctgtcttcc cctccctcaa ccccaatagg aggatcccag 660
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tctggcctca ggacttagcc atactagacc agtcagcttg cctggaagag ggaggccca 780
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ctttgctgtt tgtcttccta gttaaggctc tttataaaga gcttggtctt catgttttaa 1620
gcactttatg aagaataaaa cattcatgta ctgc                                     1654

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<210> 426
<211> 1657
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 1285
<223> n = a,c,t, or g

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```

<400> 426
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tttttccgat tcctttttgt cattggattt gtttggtttg tcatgtgggtg aatgggtgtt 180
tagttattgt gttgctgcca gaatcagaat ccagttcttg ttcttactgc ctatatagtt 240
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agtttaatat ctacaaagaa gcttttagaa gctgaaaaag tcaatgtgat tgtgcattct 360
gcttttaaga agctgtttca gctatgaact gtgtatgtgc tataagtgtg aggtaccata 420
agttatttaa tttttaaaag aggaaactcc tgagttagct gtttaagaaa tctgagtgtg 480
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gttcagatac tgtgggttggg ttgtctatat ttaatatgca gatttgcttg ctggaatcat 600
aatccatttt taagtgaatg taagaaatga aaactactgc atttgtgtct tttgaaggca 660

```

```

aggatccttg gatttttaaag gaagagtatg tgctttgaag gcactcagag actagtaata 720
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cagtacttct gttacagcat ccgatgtgtc ctttatttta aattgtaacc ataacagcca 840
ttaatggctt tatttcttgt attgctctca tctgggaaaa gtctctactt cttcaaactg 900
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atacaaccct atagataatg ttttttgctt gattgactta tataatcact gtttcatgat 1560
tactgctttt ggaataatag gaagttttgt gaaatgctgg ctttgtgtat atcttagaat 1620
gcaaatttaa taaagtgtgt atacatgcat aaaattt 1657

```

<210> 427
 <211> 562
 <212> DNA
 <213> Homo sapiens

```

<400> 427
cgataacctg tttccttget actttgcttt ggtgtaagca gagttctttc tgtagggttt 60
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ctgcagcatg gtgctgacat tgataactga aagtcaacta atgagaattt gagacttctg 180
aagtacactt agttgctagt gtctcccttt tgggtgctact ggaaagttaa gaaagcatgg 240
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acaatgtttg taaatattta tcttgctgct tttctagttt tgtcttctgg atttaaaatt 420
tggggcggtt ggggtggaat tgcattggtt gggaatgggt agttgagctg ctgctcatta 480
tggtatgtaa cagtgatttg tctgtttaat atgtacaaga actggaaggt caataaaatg 540
aaagtgggtt tcttgactgg gt 562

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<210> 428
 <211> 466
 <212> DNA
 <213> Homo sapiens

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<400> 428
gctgtgagaa gtatccgcga cgagctatcc gggaaagggc cgaatgcgat caaacctaata 60
ccgcgagact tgctaagggt ctgtgctaca aattgatgtt tagataaact tcagtgaat 120
gactcttcag gaattggtgc ataaggctgc ctctgttat atggacagag tagctgtatg 180
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tgcttctgaa ttatcaaatt ttctgctggt acactgtgac tttcaaggaa ttcgggaaat 300
tggtctctac tgccaacctg ggatagactt accctcttgg attttaggaa ttctccaagt 360
cccggtgctt tatgtacctt tgcagccaga ttcaccaccg tcattatcaa ctcatcttat 420
gaaaaaatgt aatctaaagt atatccttgt tgaaaaaaa caaatt 466

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<210> 429
 <211> 859
 <212> DNA
 <213> Homo sapiens

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<400> 429
ctggagcctc catccgcagt cacacgtgta cagatctggg gatttggatg tatgcttttt 60
ctaacttctc tctcagaagc ttctacagaa acccttccat ctgtagcctc aagggccac 120
ctccaaggga aggttaggc aatgatcctg tttctaccaa cacttgcacc ttatcccagg 180
aacctgcctt agacctcca gagaccatat tttctctccc tccatttcta ccagacctc 240
caggcctcct tctggaatca tagaaccgta gaattggaag gaattttaga ggttttctag 300

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ttggagttgt gtccaacaga attcattaac accagcctgg gcttgttttt cctcctccct 360
ctggactttt ttcattttt cctccacctc aaaaaatact tacacacaga ttcttcttgt 420
acaggcatca aaaccaactc ctctgcccct aaggctgtgt ccctgtggtc tccagccacc 480
cctaccccag tcaactcgccc ctctctcatc tctggaattt ggccaggcag tcccagaaga 540
ctctggagtg acctcctttg cctaaaaagc agacagatag gcatgccccca ggccctgagt 600
gagcagagga ggactgtagg gtgagaggga aagaaaatga aggtgacttt catggaagtt 660
tcatttcttt tccccgattg taccaactgc atgtactttt ggcctggctg caaggagcaa 720
tattggttta ctctcgatc cttaaaaagt tacagaactg tgtcttaaga gaattattta 780
tagttactat aactgaattg acaaattgtca acttaactga taaattatat ttggtaaaat 840
aaagaggacg tttatttag 859

```

<210> 430
<211> 534
<212> DNA
<213> Homo sapiens

```

<400> 430
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acagcttttt attagtcagg aaaaggagaa agtggttttt tctggaagca aacttaaaga 120
catttcaaaa agatatacag acgatctccg atttaagatc gtttgactta agatttttca 180
actctatcat agtaccatt gcaaccaacc tgggttttcac ttttggtaca tatttggtta 240
attatatgag gtatccaata ctttattata caagtagatt tgtgtagat gatattgccc 300
aacctataga ctaatggaag tgttctgagc acatttaaga tagactaggc taggctgtgg 360
tgttccgtag gttaggtgta ttaaatgcat tttctactta gaatgttttc aacttacgat 420
gagtttattg ggatgtaacc ccaccgtaag tcaaggggca ttggtattga acctcataaa 480
acagaatgcc tttaggagat gttttcaaaa aagaaacaga aactatacca ggac 534

```

<210> 431
<211> 1038
<212> DNA
<213> Homo sapiens

```

<400> 431
cacaaataga actttatcta acaaactact ttcaaaaata acagggtcaac tgtattttaat 60
ttgtttatgt cacttataac ttacctattt ctgtatcagg taggaatgtt ttctgcttta 120
agtaacacaa aagatccaag tggcaatggt tcttcaaata ggggtttttc tcagataaca 180
agaagtctaa aggagctggc cactggcatt ggtttagtga ctcaagtata tcaggggctc 240
agattccttt agcctttctg tcatggaaac aagatggcca ttgcagttca agccaatgtg 300
tctgtattca agacaaaaag aagggggaagc agggccttcc acatctgatc cttttctcat 360
aatgtaaaa tcttttctag aaatttagat cagacttggt tcatctgct agccataaat 420
gtacaacatg atcacccctt gttcccagga aagtgggaaa atgaagctgt acgcctttcc 480
agtctcacta atggaagggt ggaaaggaaa atggggattg ggaattacca tggatcagac 540
aaccaacagt tttgccacca gttataatta gagcagaggt cattttatat ttgaatcttt 600
tctgtaatgt cttcataaag ctcactttat tattattttt gtttgttttt gagacgagtc 660
tcgctcgggt gccagggctg gagtgacgtg acgcaatctc ggctcacgca acctccacct 720
cccagggttca agtgattctc ccacctcagc ctctgagca gctgggacta cagacatgca 780
ccaccgcacc cagctaattt ttttgtgttt ttagtagaga ccgggtttca ccatgttggt 840
caggctgggt tcaaactcct gacttcaaat gatccgcca cctttgcctc ccaaagtgtt 900
gggattacaa gcatgagcca ctgtgcctgg cacataaagc tcactataaa actgcagtcc 960
taagtactta aaaatttctt cattgttgga tatctagttt tgttttcagt gctaacctaa 1020
tataaaaaaa tactacac 1038

```

<210> 432
<211> 717
<212> DNA
<213> Homo sapiens

```

<400> 432
gacttggttt cttagctaga aaccagaaga ctacgggagg gaatataagg cagagaacta 60
tgagtcttat tttattactg tttttcacta cctactcca caatggacaa tcaattgagg 120
caacctacaa gaaaacattt acaaccagat gggtacaaat aaagtagaag ggaagatcag 180

```

```

aaaacctaag aaatgatcat agctcctggt tactgtggac ttgatagatt tgaggtacct 240
agttcagaac tccctagtca ccatctccaa gcctgtcaac atcactgcat attggaggag 300
atgactgtgg taggacccaa ggaagagatg tgtgcctgaa tagtcgtcac catatctcca 360
agcttcctgg caaccagtgg gaaaagaaac atgcgaggct gtaggaagag ggaagctctt 420
ccttggcacc tagaggaatt agccattctc ttctttattg caaaagattg aggaatgcaa 480
caatattaag aagaggaagt ccccagatgg gtagagagca gtcatatctt acccctagat 540
gttcatccca gcagaagaaa gaagaagggt ttggggtagg attcttcaga ggtagcctg 600
gtactttctc atcagacact agcttgaagt aagaggagaa ttatgctttt ctttgctttt 660
tctacaaacc cttaaaaatc acttgtttta aaaagaaagt aaaagccctt ttcattc 717

```

<210> 433

<211> 1231

<212> DNA

<213> Homo sapiens

<400> 433

```

cttttactat ctgccaagg ctgtcctggc ttgcatcaac atctccagca tgcgccaggt 60
gttctgccag atgcaggaac ttccacaact atggcacatc agccgagtgg actttgtgag 120
aaatgccatt acccccagat tgccccctct catcttggtta gcatccccag cctctgccct 180
gaaccaaacc taattgtcct ggtcttaagt tctgcaacc acccactccc ccagcaaaca 240
taactcctag tatgctttac tcacaggcaa gggaaaggat ggggtttgaa cccctttggc 300
ctgaatatTT gtaacttccc aactggtgcg ggtcattaca tttggtgtgt gtccattga 360
atcaaccctg ttgtttcctt ctgtcatgct ttccacttct tcctggatca tctctcccca 420
tcaactgcct tggtagtcac tgccctggat ctctttaccc agcagtgatg gcctggcttt 480
tcttttgggc aatccacccc tatccctatc ctgcaggctg tgtggatggc cacctgggtg 540
gcagtagtga cctgagtggt ggatttgggc ctggctgtgg gtgtggtctt ctccatgatg 600
actgtggtct gccgcacccg gagctcctcc aggtcccggg gctctgcac ctgagctatc 660
caacaccact gtactttggg acccgtgggc agtttcgctg caacctggag tggcacctgg 720
ggctcggaga aggagaaaag gagacttcaa agccagatgg cccaatggtt gcagttgctg 780
agcctgtcag ggtggtggtc ctagacttca gtggtgtcac ctttgcagat gctgctgggg 840
ccagagaagt ggtgcagctg gccagccgat gtcgagatgc taggatccgc ctctcctg 900
ctcagtgtaa tgccttgggt caggggacac tgaccgggt aggactcctg gacaggggtg 960
ctccagatca gctgtttgtg agtgtgcagg atgcagctgc ttatgccctg gggagcctgg 1020
taaggggag tagcaccagg agcgggagcc aggaggcact gggctgcggc aagtgaggca 1080
ggggagctca ctgacccaaa gatttgcacc gtgtgggtct gacctcatca tgtggagtgc 1140
agagggcctt gatgacatgt gtgtgatgag gaccatgacc cttgaacccc cttacctaac 1200
gtaactaata aaatgaagct gagagctttg g 1231

```

<210> 434

<211> 398

<212> DNA

<213> Homo sapiens

<400> 434

```

ggctactctg cctccatcag cattttcaaa tttcaggctc tggcctttca ccgaatgcac 60
ttcccaccag tctgttttac actgccaggt tccgctagga gctttcccac ctctgcaggt 120
gcaggcctcg ctgcttctta aggcctttct ctgggggtgg aggaaacgga aactgtatga 180
ttgtctttca tattcacttt tatagacct taatgtctac aatgtctgag agtggcgttt 240
gcggcatgac ttttaaaaaa atgtcctgct ggtattggac cctttctgtg tttgtgaaat 300
tgctattttg tattaacaca gtatttgata aacatttata ttaagaagaa taatccctct 360
gctgaatatt attgtttcca atggagtaga aagaactt 398

```

<210> 435

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 231

<223> n = a,c,t, or g

<400> 435

```

ctcttctccc ggtcccatct tctgagaggg cttctcagcc tggaaactat ggaaacagca 60
tcaaagagaa aggaatgtgg ggggtttccg ctgcccccca cccccagcgg cccaccccat 120
gcctcagctt catgtctgtc ccattcctat accatcccca ccctgttgta tgtattatag 180
gatttgtatt ttctcctttt ttttccccct tccattcctt cttccccctct ngcattcaag 240
attatgaaac tttgctatgg gccctgcact tcctttgctt cctcctgttc accctgggtg 300
tgtacggatg aggcggagag gtgggacccc caaatatata tcagcccaac agccctaagt 360
ctccttcttt tattattagg aaaacaacaa caacaacaaa caaaaaaatg gcgtcatgaa 420
tatgaacagc attgtcagat gaattagttg aagtgggttt ttttttgttt tttttttttt 480
tttttgtact gtgtcctcaa atttaatgga ttaatgtgtc ttgtatatat aaaaagaaaa 540
cctctacctt c 551

```

<210> 436

<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 123,451,600,599,622,623

<223> n = a,c,t, or g

<400> 436

```

acatggagaa actctacaaa aattacagga attagctgga cgttgtagtg tgtgcctgtg 60
ttcccagctt cctgggaagc agaggcagga ggatcacttg aggccagtag tttgaggcta 120
cantgagctg tgatccaaca actgcactcc acccgggggt gacagagtga aaccctgtct 180
caaaaaagaa aaagtatgtt gatgttgatg ttggtaagga ggatcatgaa cgtttcatgt 240
gtaatgggtg tcctccacta ttcacctggc gggacgtggc tctgaagcag caggcacaag 300
gagaatgggt gcctatgagt ggcaaagaaa agaggggcaa tcccgactcc taagtaacgg 360
tcaagacatc tagctcaagc cgggcgcagt ggctcatgcc tgtaatccca aaactttggg 420
agggccgagg cgggcggatc acttgagttc naggagtttg aagtcagcct ggccaacatg 480
gcaaaacccc catctctact aaaaatacaa acattagccg ggcgtgggtg tgggcaccct 540
gcaatcccag ctactcagga ggcggaggca ggagaatcgc ttgaaccggg gaggcggann 600
ctgcagtgag ctgagatcac anncaactgca ctccagctgg ggcggcagag tgagactgtc 660
tcag 664

```

<210> 437

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 905

<223> n = a,c,t, or g

<400> 437

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gctgggtaat acctggtgtc tgagtgatcc tctgcagacc cttccccctcc tcaaggatca 60
cccctcctcc tttcagcccc ctttatgggg accaggcagc tctggagcca gccacagggg 120
ctgttagaga agcaaggcct ggagtggcct gcaccgagta gcagggtcag ggttcgtgtg 180
ctcctcctcc tgctgcaggg gctgcacatc ccattgcccc acttctgctt tgtgtctccc 240
tctgtctagc ttccagggca gggagcaggc cccacctagg gctgcaggca gtctggcctg 300
tgccagcacg gtctcctgtg cccaccagcc ccacagggtc tgtgctttgt gctcttggct 360
gctgtgctgg gacagaatgg gatgccagga agagaagaaa gggggtgcag tctgaggcca 420
ccacccccct tcctatctaa gggagggctg aagacaaggg gccggcattc agtggcagca 480
gaaaggagag gctccttgaa gctgctcagt cagaggcccc cgtccctcct tttgccttcc 540
gcagactgaa gacccaaggg ggctggcttt tggagtgttg aggtgaatat ctgggagcag 600
agatcatgaa tagctcaggg cagtgaatgg cgcaccaaga gcagggtgt gtgtgggagg 660
ctgcagccag gattgcctca gctcctcccc ctccaggtgg gaggatagca caggctaggg 720
gctcgggggtg gagggctctc gctctgctgc cccaccccca gtactagcct agcttcccaa 780

```

```

gctgtggctt agaggatagt tggcttcctg cctctctcct ctaaaatagc aagtctggga 840
aatcctgggg tgagtggagt caccaccactc ccagttgctg gcagagactg agactaaagc 900
atcanttaat aaacccccca agccc                                     925

```

```

<210> 438
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 438
gaagggggct gccgatcatg gtgaaagggg acattttcat tgggtcctcg tgggtccgtgt 60
cctgggtact cgggggtcacc gtgcagacag ctgccctttg tctgccggac acagtgcagg 120
caggggagac aggttttaggg ctctgacatg gggcacaggg actccgagcc aagggatgtc 180
agggcagctc tgtgcatctg aggcctttgc ccttgctttg cgggtcagtt catgtccaaa 240
gcacttttagg aggctgcagg gatcaatacc caatataccc aacaactgga attgtttaca 300
catgacctac attttggacg gtttatcaat aaacatgtgt gaacaactgt t 351

```

```

<210> 439
<211> 1265
<212> DNA
<213> Homo sapiens

```

```

<400> 439
cgagttccta cacacacaga cacacacaca cacacacaca cacacacaca cacgggcaac 60
atggcgaaac ccagtctcta cacacataca cacacacata cagacacaca gacacacaca 120
cacactagct ggggtgtggtg gcgcacatct gtgggtcccag ctactcaaga ggctgaggtg 180
gaaggatcac ttgagcccag gaatttgagt tgcagtgaac cgagatttgtg ccattgcact 240
ccagcctgag agacagagcg agactctgtc tcaaaaaaaaa aaaaaaaagt ttatgtcctt 300
aaataaaaaat tcataggctc tagattagat tagaagatac agcttagatc aaaagggctc 360
ttttggatac tttaattttac tctgtgtgcc tggcatgttg atgagaagtg attacatgtg 420
gaaattcata gtgttatctt tttatagcat tcatttaaaa aggttggatt tatgtaggcc 480
ttttcctttt gttcttttatt gcagatatcc aagagaagct tatgtggtgt tagttcacca 540
tattagagaa tctattccag gtgtgagcct cagcagcgat ttcattgctg gcttttgtgg 600
tgagacggag gaagatcacg tccagacagt ctctttgctc cgggaagttc agtacaacat 660
gggcttcctc tttgcctaca gcatgagaca gaagacacgg gcatatcata ggctgaagga 720
tgatgtcccg gaagaggtaa aattaaggcg tttggaggaa ctcatacta tcttccgaga 780
agaagcaaca aaagccaatc agacctctgt gggctgtacc cagttggtgc tagtggaagg 840
gctcagtaaa cgctctgcc a ctgacctgtg tggcaggaat gatggaaacc ttaaggtgat 900
cttccctgat gcagagatgg aggatgtcaa taaccctggg ctgagggtca gagcccagcc 960
tggggactat gtgctggtga agatcacctc agccagttct cagacactta ggggacatgt 1020
tctctacagg accactctga gggactcttc tgcataattgc tgacctgaga ggatggcctc 1080
agagctgact tgggcaatcc tccccaacag gaaggggaga cattgcctgc cactgaggaa 1140
acaggtcatg aaggtggaga taagctgcaa ggggcgaagc aactttatgt cagtggaaaa 1200
cgtgtctctt taaagctgct atgtgaacag cttttacagt cattaaattt acctaaacta 1260
aggtt                                             1265

```

```

<210> 440
<211> 556
<212> DNA
<213> Homo sapiens

```

```

<400> 440
aaataaactg tatttgcaaa tccaacattg agcttcttga ctacgctgac tccactgctg 60
aatcctcaat ggaaagggtc gactgggtgc agttgaaatg acctgaaatg tagcctctgt 120
ccttgtaagt cagttgactt gccgcacatc tctttgtgta cttgtacggt actggcagaa 180
aagtcatttt tcaaaagcca taggttttct cttgccctta gctgtaataa tgcactctgat 240
tttgatttcc tccagagctg tgtttctgtc catcacctgt gtattggccc tgtgtttacc 300
actctggccc actcctcacc ccttgctcc cctggctctt tggagtttgt gacattgatt 360
tgaaatggat ggtgttctct tgagagcaag tgagattgac agaattaagt tccaactata 420
cagttttcta acatagctat aaggtccttg ttgctgtttg tgataactga tagataactc 480
attggaaacg tgcatacatt tatattcaga tgaaattatg gtttgcactg tctattaaat 540

```

atctcgatta attttc

556

<210> 441
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 441
 ctcttcacaa cagtatcaac actggcttct cccggttcat tttatgcgtg cgagaagtca 60
 gtggtaactg ctgcagggct taatacatta gtggtaactg gtttaaaaaa caaagactgt 120
 aagcctgtgt gtgccactgt ttgcttcaac agtatatcct actaataagc ctcacctatt 180
 taatccaatg agtttttaaat ctaaatctca ttcccttctt ctttccctac cttttttttc 240
 tttttttctt aaaaaaatat tttgtgttat taacagaaat tcatatttgg tgtggcttaa 300
 cggatatttca gaaggctatc agattgtgag actgcttcct tgaaacattt ttgtgctatt 360
 gtttttaaaaa aataattaaa aaacagttgg cgtaataaaa aatgtcaatg tgaaactg 418

<210> 442
 <211> 902
 <212> DNA
 <213> Homo sapiens

<400> 442
 gattcccttc cactgtttta tgaattaatt ccagttcttt tcatgtatct ttgaacctaa 60
 gattatgaag taatttccct attagggact agaattgactt cagttttttc atttgataaa 120
 aatcagaact gctacctttc ctttttttaa tgatgcaaaa tgtagatgag tgcattaagg 180
 tttgtaagat ctttatcatt ttatgtcatt cattgaaaat tgaaatgttc attcttttta 240
 atgttttctt atttcctttt gcctagcatt tgactttggg gtttaagttc tgtagttcca 300
 tgacatcatt gtttgctggt gtgttacaga gagagaagga acctcacctg tggctcagct 360
 caccaccat ccgtttctca ttacgtgtaa ataaactgtc agagctgatg ttacagcttt 420
 tacagtttta agcattcccc tcgtctctag ttcccttttt cttgttacat gttttgggca 480
 ctttccctca ttcaccacct tccaggggtt catagaaaat aacttggtac aaaatcagtt 540
 caattctaag gtggacatag tggcatgttc ataattagac ccatataggg gacactgagc 600
 tttaaatcgt tgattctaaa ctctatacat taaaaaaatt cagcccaggc ccctcaaagc 660
 ctgagaaaaa ttaatttgct cttaatttaa tgttccaaaa ctactcttg gaaaaatgcc 720
 tgttgaaaaa ctacaggtgg gtcacatgtg ggggctgtct ccgtgacact caggattcca 780
 gtcagaacct aatcctcata tctattgcct acaaaaatag accaagaatg ttgctgctct 840
 tttataatcc tttaaatatt taacattcaa gttttctttg tcttaaattc agccttttcc 900
 tt 902

<210> 443
 <211> 553
 <212> DNA
 <213> Homo sapiens

<400> 443
 tggaattgct ggagactttg cacctgggct tggccagctc ccggctcaga cctgaagctg 60
 agccagagct aggtgtgaag actccagagg agggctgcct cctgaacact gcccatgtta 120
 ctggccctga ggcccgtgt gctgcccttc gggaggaatt cctggccttc cgccgccgcc 180
 gagatgctac tagggctcgg ctaccagcct atcgacagcc agtccccac cccgaacagg 240
 ccactctgct gtgaacatcc ctgatgtgag gctgtgaaaa ggcataatgga cctgcaaagg 300
 aggcccccaa ccagacagac gtagtttcaa acgagggcac tgcccctgcc tgcccctttg 360
 gtgcccaggc acagaccctg atagtgggtt tgggtcacct tggtatggaa tgtatgtgct 420
 gaccccctag gtgagtctgg ggattggaac agggatctta ggtctgcctc tctctctctc 480
 tctctctctc tctctgtgtg tgtgtgtgtg tgtgtgtgaa gttttttaca ggtgaataaa 540
 caaagtttga aag 553

<210> 444
 <211> 1230
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 2,195,924,1166,1167,1168

<223> n = a,c,t, or g

<400> 444

```

gngattttttc aagattttttt tttattttaaa aaagaaaggc tttgggggat ggggagaata 60
aagattttttg ttttggttttg ttttgggtgc taagggggcc cagagccact tctctgtggc 120
ccctgctcaa actcctccag agattctggc atgttgaggc tgcagctctt ttggttattg 180
tgatcaagga tttcngggca ccttcccctc cccttttgaa gacttaggac tggaccagct 240
aagggtgtga aacaagcatt tccctccctt ggcaggaagt gcttaatgtc tttgcttttg 300
ggaaccggtg ttctgggcag gctaggaggc cgcgcctgac ctgcctgtgg ctctcttccc 360
actgtggggg tcagaagatg gtggctgcct atgtgcatgt cacagatcct cacttccagc 420
tggtggatgt aggatctgag gccagagaa gggttggtgac ttggccatag tcacacagcc 480
acctggatag agatgagtgg tgagtgggtga acccgagaa acatggcttc ttgcctcctt 540
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aaggctgttt tatttttaggc accggctgag ctacctctga tcttggtggg ttagccatag 660
gtgtggttct ttggtttttc agtttgtata accatgttct ttgttcagct cctatcaggg 720
ttagggaggt caaacaccta tgtgtcagga tacgcctgac acacactatt taaaactcac 780
actgttttaa atgtatagta tttaaaactt tatggtcagc tgtacttacc ggctgagtac 840
agaactagga aagctggtgg ctacttgcaa ggagcagctg cttagtagcg gaggttgagt 900
aataaggacc ccagttgctg aacngctcct ggaagaatat ctgttcccgg ctgggcgtga 960
tggtcaagc ctgtaatccc agcactttgg gaggccaagg cgggtggatt gcctgagctc 1020
aggagttcga gactaccctg ggtaacatgg tgaaaccctg tctctactaa aaatacaaaa 1080
attagccagg catggtggcg ggtgcctgta gtcccgggtga ctcgagaggc tgaggcagga 1140
gaatcgcttg aacctgagag gcggannnta caatgagctg agatcatgcc gctgcattcc 1200
agcctgagtg acagagcgag attccgtctc 1230

```

<210> 445

<211> 715

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 257,270,271,301,473,547

<223> n = a,c,t, or g

<400> 445

```

aaacgtttttc aaacccttta cagttcctgg ggcaggcgga aacaggctca cagattgtgt 60
gtcggccgca gcagtgattc caacaagcag ctattggggg ggaaacacag catttaaaaa 120
gatcatcatt aaaaaacaag atttatacaa caattactta ggatgtttgt gatctgccga 180
ccttgctata gatgccatgt taccaatgat ttctgtggtt gggggcttgc cattgtttac 240
tctcttattt accaactctt ggcctaggcn ngacagtggg caccttcccc cagccctggc 300
ngggcccagc gcctgtgttc tgtgttagaa aggttttata tatatataaa attacatata 360
tatgtagaaa tatatgtaat tttggggggc ccgtctcctc gcacatttta cagtacctca 420
tttttcccat gtatgtattt gagaaaatgc taatatatag agaaaaaat ggntcttaaa 480
gcttaaatgt gtgggttttt ccattccatg ggattcacat tggtttgtag catttaacat 540
aactagnatg ttgtattata tatatgtgta tactgattga aatttttaac agatttgtac 600
tttttttaaa atgaaagttg ctagtctctg ttgaccaagt agtgcaatca ttattttttt 660
taatattggt gctgatttca gagggatatt cactaataaa tgtatgatgt atacc 715

```

<210> 446

<211> 1750

<212> DNA

<213> Homo sapiens

<400> 446

```

tctttaaaatt actcataatt tataatgctt aatataatct taattaaatt tagcagtttt 60
agtataagat gtgccatttt gtcctctgta tgtctgaatg aagctataac atttgccttt 120
ttattgcagg ttttcctttg gaatatggat aaatacacca tgatacgga actagaagga 180

```



```

catcaccatg atgtggttagc ttgtgacttt tctcctgatg gagcattact ggctactgca 240
tcttatgata ctcgagtata tatctgggat ccacataatg gagacattct gatggaattt 300
gggcacctgt ttccccctac tccaatattt gctggaggag caaatgaccg gtgggtacga 360
tctgtatctt ttagccatga tggactgcat gttgcaagcc ttgctgatga taaaatggtg 420
aggttctgga gaattgatga ggattatcca gtgcaagttg cacctttgag caatggtctt 480
tgctgtgcct tctctactga tggcagtggt ttagctgctg ggacacatga cggaagtgtg 540
tatttttggg ccactccacg gcaggtcctt agcctgcaac atttatgtcg catgtcaatc 600
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ccatggattt                                     1750

```

<210> 447
<211> 1031
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 876,939,978,1002,1027
<223> n = a,c,t, or g

```

<400> 447
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gacagtcctt tgtataaaagg actaaaggga gctgcctttt tgaccctgtt ctaagctctg 240
ccttgccaag cccatagtgt gtgccccaaa gctgtcaagt ggccaagaca gctcgtttct 300
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ctataaaaaac gatccttggg ctgtgtaaaa atgaagtggc ttttcagtat cctctttcac 480
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gtgccatggt ccctgttggt gtagtaattt atttgttttag ttcatTTTTT tttttcttaa 600
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```

<210> 448
<211> 2166
<212> DNA

<213> Homo sapiens

<400> 448

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<210> 449

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 967

<223> n = a,c,t, or g

<400> 449

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caaagggttc accaagaggg actctccttg agtaaggccc ccatacattt gggtagagag 180
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gaattttgtg agtcatggat ggggctgctt ttgcagtggg tgccaactgc cactgtgcag 360
ccctacttgg ctacagccct ctcctcagct gtgagcactg tcctcaggag agtcacaggg 420
cttgacacct gactctgagc tggaacagta ggggcaggga gaagacaggt ctcaagaaaa 480
ggtttttaag aagtttcatc cccagttaag cagagtccat ccttgacctt aaatccctta 540

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```

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tgaggaggaa ctccaggcct cccatcgtgt gccctaaggc ctccctgcgtc ctggagccct 720
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gcacagggca ataaaaaatc cccccct 1107

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<210> 450
<211> 2010
<212> DNA
<213> Homo sapiens

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<400> 450
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<210> 451
<211> 817
<212> DNA
<213> Homo sapiens

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<400> 451
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cggcgcgatg tgcttctagc ccttgcactg cacctaggct cagggttcaa acggccagcc 180

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cgaaaagcct gcctgccttc tttctggaaa cagcacgtcc ccggccgtgt gcctgcccct 240
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cattggtgtc gccggcccag gcaacagcag cgtaacgttt tcaaagatca ttgagttgtc 660
ttagaatttg aagctgtgta atgacaatgt cacctggagt tcgtctccat ttcttaactt 720
tttgttgcac aagtatttgg acagaagtcg aactgtgaat gagatactga aatgcactaa 780
attgtattac attaaactgg agttacttga tacaatg 817

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<210> 452
 <211> 1112
 <212> DNA
 <213> Homo sapiens

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<400> 452
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gtttaacatg cagggtacat caatagggcc aatttaaaaa atgataacac atattagtat 180
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cagcacttac cctgctgtat tttgcaccct tggtttgtaa attcacttga aagtagcctt 360
gcagagagat cttaagcccc atcagtcacc aaagtggttc ccttcacac aatctgccct 420
agaggaaata ggcaagtaaa atgatataa aagccatact atgtgctttc tgagtatata 480
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gtgaggggaa aggaaaaaat agagaattac ctctgtgata atttttataa aaagcagcaa 780
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ttcctagcag aaataaagct gtaagtctta tt 1112

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<210> 453
 <211> 836
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26,48,610
 <223> n = a,c,t, or g

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<400> 453
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ttgtgggtgt aagtgacatg atgtggccaa aaatccaaac tgtgcagttg cgttgtgaca 780
 aacatgcaat gtgctgtaaa aattcaatac agtttaaata aaatctctat attagt 836

<210> 454
 <211> 1354
 <212> DNA
 <213> Homo sapiens

<400> 454
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<210> 455
 <211> 1820
 <212> DNA
 <213> Homo sapiens

<400> 455
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 gtcccacgcc tccctgagca ctgactggaa gtttactagg ctggtggctg tcccttctcc 720
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 gaaataatgc aaacatttta aatatgtttc tccccctttc caaaaactgt taaactaatg 1260
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<210> 456
 <211> 1782
 <212> DNA
 <213> Homo sapiens

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<400> 456
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<210> 457
 <211> 2607
 <212> DNA
 <213> Homo sapiens

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<400> 457
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ggccccacag gagtcccagc aggggtagct cctcccggga caaggaccga agtgcgacgg 180
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agccgatttt cctctcagtc gggtaactca cctgccactg gtgccacatg atggaagagg 420
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tgagaatacg	agaacagtgg	aaacagaaca	agaacaccct	gctagaaaat	agccagcgtg	720
tcaccactgc	cctgctggcc	cgatcagaga	tcaacgtggg	tgaccgccag	ctgccgccct	780
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<210> 458

<211> 645

<212> DNA

<213> Homo sapiens

<400> 458

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ttgggaaact	gcgctggaat	ctgtgcatcc	ctgggaagac	ttgctgcctc	ctgaagagca	180
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aggattaaga	cctacaatac	ccaggagagc	ccaaacatgg	cagtagccaa	gagcatccag	300
tctccactgt	gtaccatctc	ttagcaagca	tgtcattcag	cctgacaccg	ggatgtttcc	360
agcaaactct	ttcccgaaga	ctctcatcag	aggccaagtg	gttgacagcag	attcgtctct	420
gtttccaagc	tacaacaggc	caaataagac	tggattggat	cagagaagat	gggtcctccc	480
atctctttca	tgagctgggc	ccctggcatt	aattggacaa	tgcagatcgt	ttattatact	540
tctttaatag	aactgatggg	caaatatgta	tatttggaaa	attgggtgtt	tgacagtaat	600
ggtaggttct	taagaagaat	gaagggagtg	gttggaaacc	aatgg		645

<210> 459

<211> 659

<212> DNA

<213> Homo sapiens

<400> 459

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agcctcttaa ttttaaactg cggaatgtgg cctctgcttc ctccgtcctc ctgccaagg 360
acgacgagga ttgctccagg gctgctgggt agtttaccgt cccttctata ggcatggagt 420
tggcactgac atcacagctt cataacccca ccaccgccag cttccctcgc ctccatcac 480
cagtctgttc ttgttcatag tgagaatcct gtgttccac ttcagtgaca cctgaattgt 540
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<210> 460
 <211> 1282
 <212> DNA
 <213> Homo sapiens

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<400> 460
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aataaacatg ggcatttatt gc 1282

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<210> 461
 <211> 663
 <212> DNA
 <213> Homo sapiens

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<400> 461
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gctggttccc ccaagccagc tcatgctgct gaccactgac tcagctctga ccttcacatt 180
tgctctgaag caagtgcgtt cagctgctgg ggcagtgata tcacatagta catatattat 240
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gtttaaattt gccactttct ggactggacc ttagtactgt aaattctttt taaagaataa 360
taatgttacc aactgctgag atttttatgt attttgtgac tttgtaacaa ctgctattgt 420
aataagtgtc atcttgtggg cattatacaa aggcataata taaaataata atgatatttt 480
tgtatagaag agtcaactgt tcagatgtaa gatgttgaaa aatgttaaaa tctaaagagt 540
aatttatcct agtggtaatg gttatatgta tttgtacagt ttaaattaat gtctcaaagc 600
tgtgcagctt tttgttactg ggaaactttt aaactctgaa taggcattaa aaaaaatatg 660
gct 663

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<210> 462

<211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 527
 <223> n = a,c,t, or g

<400> 462
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 ttgtcaagaa ataccctgag ccagtctctg agacgcttcg gtaaaaaatg tccctggatg 660
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<210> 463
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 463
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 tagacaatag actattaaaa aatcaccttt taaacaagaa acggaaggca tttgatgcag 180
 aatttttgca tgacaacata gaaataattt aaaaatagtg tttgttctga atgttggtag 240
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 taaacagtc 309

<210> 464
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 464
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 tctagggcag cccagggccc ccactcctgg ctctcacac ttgcctcccc tatggccgct 180
 ctccagaccc tctccttttc ttctccccac atccgcacct gctgttccca ctctgggggtt 240
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 atccagaaaa gcagttttgc ccag 324

<210> 465
 <211> 2140
 <212> DNA
 <213> Homo sapiens

<400> 465
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 gtcagggttac acccatggaa gttgacatct tgtttcagtt agcagattta tatgagccaa 180
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<210> 466
 <211> 2510
 <212> DNA
 <213> Homo sapiens

<400> 466						
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<210> 467
 <211> 1160
 <212> DNA
 <213> Homo sapiens

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<210> 468
 <211> 1866
 <212> DNA
 <213> Homo sapiens

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<210> 469

<211> 1825

<212> DNA

<213> Homo sapiens

<400> 469

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 <213> Homo sapiens

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<210> 471
 <211> 1080
 <212> DNA
 <213> Homo sapiens

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<210> 472
 <211> 1266
 <212> DNA
 <213> Homo sapiens

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<210> 473

<211> 2748

<212> DNA

<213> Homo sapiens

<400> 473

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 <211> 755
 <212> DNA
 <213> Homo sapiens

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<210> 476
 <211> 1143
 <212> DNA
 <213> Homo sapiens

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ttt 1143

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<210> 477
<211> 2260
<212> DNA
<213> Homo sapiens

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<210> 478
<211> 995
<212> DNA
<213> Homo sapiens

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```

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<400> 478
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<210> 479

<211> 2803

<212> DNA

<213> Homo sapiens

<400> 479

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<210> 480
 <211> 312
 <212> DNA
 <213> Homo sapiens

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<400> 480
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<210> 481
 <211> 3165
 <212> DNA
 <213> Homo sapiens

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<400> 481
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<210> 482
<211> 620
<212> DNA
<213> Homo sapiens

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<400> 482
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<210> 483
<211> 2162
<212> DNA
<213> Homo sapiens

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<400> 483
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<210> 491
 <211> 2259
 <212> DNA
 <213> Homo sapiens

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<400> 491
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```

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<210> 492
 <211> 1168
 <212> DNA
 <213> Homo sapiens

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<400> 492
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<210> 493
 <211> 1048
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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<223> n = a,c,t, or g

<400> 493

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<210> 494

<211> 2353

<212> DNA

<213> Homo sapiens

<400> 494

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<210> 495

<211> 2557

<212> DNA

<213> Homo sapiens

<400> 495

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<210> 496

<211> 2496

<212> DNA

<213> Homo sapiens

<400> 496

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<210> 497

<211> 2053

<212> DNA

<213> Homo sapiens

<400> 497

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<212> DNA

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<210> 501
 <211> 1971
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<210> 505

<211> 738

<212> DNA

<213> Homo sapiens

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<211> 1923

<212> DNA

<213> Homo sapiens

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<210> 507

<211> 2477

<212> DNA

<213> Homo sapiens

<400> 507

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<211> 1308

<212> DNA

<213> Homo sapiens

<400> 508

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<210> 509

<211> 1381

<212> DNA

<213> Homo sapiens

<400> 509

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<210> 510

<211> 1514

<212> DNA

<213> Homo sapiens

<400> 510

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<210> 511

<211> 1872

<212> DNA

<213> Homo sapiens

<400> 511

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 <211> 1195
 <212> DNA
 <213> Homo sapiens

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<210> 513
 <211> 1365
 <212> DNA
 <213> Homo sapiens

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<400> 513
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<210> 514

<211> 2908

<212> DNA

<213> Homo sapiens

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<222> 2870

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<400> 514

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<210> 515
 <211> 1027
 <212> DNA
 <213> Homo sapiens

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<400> 515
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gaaaaac 1027

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<210> 516
 <211> 2216
 <212> DNA
 <213> Homo sapiens

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<400> 516
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<210> 517

<211> 1431

<212> DNA

<213> Homo sapiens

<400> 517

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<210> 518

<211> 1883

<212> DNA

<213> Homo sapiens

<400> 518

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gtgatgaagt tgcattacac ccc 1883

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<210> 519
<211> 693
<212> DNA
<213> Homo sapiens

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<400> 519
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<210> 520
<211> 2024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 862
<223> n = a,c,t, or g

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<400> 520
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<210> 521
 <211> 1182
 <212> DNA
 <213> Homo sapiens

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<400> 521
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gaggcagaga gagggtaggt tgcagcgact gcagacccac ggcagagagt aatgcagtgt 420
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<210> 522
 <211> 2489
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2417,2422,2479
 <223> n = a,c,t, or g

<400> 522

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gttccagatg aagaagaaaa tgaagagagt gacaacgaaa aggaaactga aaagagtgac 240
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<212> DNA

<213> Homo sapiens

<400> 523

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<211> 2912

<212> DNA

<213> Homo sapiens

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<211> 586

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 536
 <211> 1411
 <212> DNA
 <213> Homo sapiens

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<400> 536
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<210> 537
 <211> 1023
 <212> DNA
 <213> Homo sapiens

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<400> 537
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gcaatgtgaa gacctggtga agctcaaaat ccgcaaagat gaagataatt cagatgagca 180
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etc

<210> 538
 <211> 1333
 <212> DNA
 <213> Homo sapiens

<400> 538
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<210> 539
 <211> 1110
 <212> DNA
 <213> Homo sapiens

<400> 539
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 ccgtgttgaa gttcatgctg gggaagggttc tgaccagtag agcactcata acagatgggt 180
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<210> 540
 <211> 144
 <212> DNA

<213> Homo sapiens

<400> 540

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tgcattaata aaagtgtagt ctcc 144
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<210> 541

<211> 1069

<212> DNA

<213> Homo sapiens

<400> 541

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tgggattata ggcattgagcc atgtgcctgg tccaccttgg cctgttttgt ttttctttcc 180
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<210> 542

<211> 1634

<212> DNA

<213> Homo sapiens

<400> 542

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gtgggggtga aggagacact actgccccca cccctgacag cccccacccc atggcttcca 1560
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caaaactaaa attg 1634

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<210> 543
 <211> 473
 <212> DNA
 <213> Homo sapiens

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<400> 543
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ggttgtcaaa gtagccaatg tttctctttt ggccctatac aaaggcaaga aggaaagacc 420
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<210> 544
 <211> 642
 <212> DNA
 <213> Homo sapiens

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<400> 544
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<210> 545
 <211> 912
 <212> DNA
 <213> Homo sapiens

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<400> 545
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gatcaaactt ggtctgggta ttgatgaaga tgaccctact gctgatgata ccagtgcctgc 180
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atgagttaaa ag 912

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<210> 546
 <211> 759
 <212> DNA
 <213> Homo sapiens

<400> 546
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 tattaagtc actaaatttc tattttgtgt tgaacttgct gcttttttct atattgaaaa 720
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<210> 547
 <211> 1016
 <212> DNA
 <213> Homo sapiens

<400> 547
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<210> 548
 <211> 640
 <212> DNA
 <213> Homo sapiens

<400> 548
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 ctaatttaaa cacttgcggg gactcagctg aaacagcttc taccaggttt gaaatgttct 180
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 caaatgcttc atcaggcctc acagcacaa caagaataat aatgctaata gttatagcac 420
 ctattgtatg ctcatthaag ttgtagaata ttgacttttt ctctttttta tttgggataa 480
 tttaaaaaat gatggatgag aaaagaaaga ttgggtccggg ttaatatatt cctctagtat 540
 aagtgaatta ctagtttctc tttatttaga caaacacaca cacaccagat aatataaact 600

taataaatta tctgttaatg tagattttat ttaaaaaact

640

<210> 549

<211> 591

<212> DNA

<213> Homo sapiens

<400> 549

gaggtgttgc	agtaatcatg	tccctgggtgg	tccctctgcac	aggtgcagta	gctgttaatg	60
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tattattatc	atgtgcaaag	tatcagtttg	aggacaggta	aatcaaaaat	gtgtatgctc	180
tctagaaggg	aaagtcctta	ctgaagatag	ctttgcttaa	atgagctcaa	ttacaatgtg	240
aatgctgagg	tttattgtgt	tggctgtatg	gtcatgagaa	aatgggtcatt	tccttgacta	300
cctgatacgg	tttggtgtgt	tccccaccca	agtcttattt	tgaattgtaa	tccccataat	360
tccccacatgt	tgaaggaggg	acttggtggt	aggtgactgg	atcatggggg	tggtatcccc	420
catgctgttc	tcatgattgt	gagttctcat	gagatccaat	ggttttatac	atggtagtct	480
ctcctgctgc	catgtaaaac	atgcctgctt	ccccttctgc	caggattgta	agtttcccga	540
ggcctgcccc	gccatgtgga	gctatgagtc	aattaaacct	ctttccttta	t	591

<210> 550

<211> 998

<212> DNA

<213> Homo sapiens

<400> 550

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aggccttttg	taaaggcttc	tttgtggcgg	tgctgtggc	agtgactttc	ttggatcggg	180
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gaagaggaat	gactgcatga	atctacctga	gttgctggca	ttgggaggcc	agttactgga	660
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cccaaaatat	gcagaccttt	gggaatataa	aaatatttga	cccacatgtc	ttaatggggc	900
tgaatttcag	attatttgtt	acataactt	attatattga	ttgttgggtt	ttgattttgg	960
tgcttgctgc	tgaataaat	tgaataataa	tattcaat			998

<210> 551

<211> 837

<212> DNA

<213> Homo sapiens

<400> 551

ggcaggtaaa	cattacagta	cagaagaaag	tgagtcagtg	gtgggagaga	ctcacaaagc	60
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cggaatgga	gctcagagct	aaggaagaag	agcgcttaaa	taaactccga	ctggaaagcg	180
aaggctctcc	tgaactctt	acaaacttaa	ggaaaggata	cctgtttatg	tataatcttg	240
tgcaattctt	gggatctcc	tggatctttg	tcaacctgac	tgtgcgattc	tgtatcttgg	300
ggaaagagtc	cttttatgac	acattccata	ctgtggctga	catgatgtat	ttctgccaga	360
tgctggcagt	tgtggaaact	atcaatgcag	caattggagt	cactacgtca	ccggtgctgc	420
cttctctgat	ccagcttctt	ggaagaaatt	ttattttgtt	tatcatcttt	ggcaccatgg	480
aagaaatgca	gaacaaggct	gtggtttctt	tgtgttttat	tgtggagtgc	aattgaaatt	540
ttcaggtact	ctttctacat	gctgacgtgc	attgacatgg	atgggaagg	gctcacatgg	600
ctccgttaca	ctctgtggat	ccccttatat	ccactgggat	gttggcgagg	gctgtctcag	660
tgattcagtc	cattccaata	ttcaatgaga	ccggacgatt	cagtttcaca	ttgccatata	720

cagtgaaaat caaagttaga ttttcctttt ttcttcagat ttatcttata atgatatttt 780
taggtttata cataaatttt cgtcaccttt ataaacagcg cagacggcgc tatggac 837

<210> 552
<211> 1957
<212> DNA
<213> Homo sapiens

<400> 552
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agtttacgcc ccaaggtaaa attaactctg ccaggctctt gtttttcacc tgcattcagtt 180
tcatacatca tcatatttct gattagtaag aagaggcagc cagaagtga atacagattt 240
tcattaggtg aggtagaatg aacatggcag aaaataggat aggacaacat atctttttat 300
ttaaatacat aggtacaaca gaaaatatca aattattcat acctggtaaa aggtaatatg 360
taatgtgtct tgttttaaa cttgttaagg gtaaaaaata caggtaatat gttactcttg 420
ctctcaaaact tattttgaca ggttgacacc aaaggagtgg taaaacgttc ttctccaaaa 480
cattgtcagg ctgtcttaaa acagctgaac gaacagagac ttccaacca gttctgtgat 540
gttactttgt taattgaagg agaagagtac aaagctcata aatctgtttt gtcagcaaat 600
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gtggatcttt ctggttaagg ttttgtatta ctcttgcttt ttggttgtaa tgacattcta 720
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ctgacaacag tagactaagc tgtactgaaa aggttctttt tagcaagatt tctgtggtag 840
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tgaggtcttg ggtttgagac cagcctgatc aacatggaga aaccctgtct ctactaaaaa 1800
tgcaaaatta gttgggcacg gtggcgcatg cctgtgatcc cagctactcg ggaggctgag 1860
gcaggagaat cgcttgaacc tgggaggtgg acgttgcggt gagctgagat cacaccattg 1920
cactccagcc tgggtgacaa gagcaaaact ccgtctc 1957

<210> 553
<211> 1080
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 134,135
<223> n = a,c,t, or g

<400> 553
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gtgtgactgt ttcttcgagg ccctgctttt aattatttta gataaatacc cagaagtagg 120
attgctggat catnnattgt tctgttttta attctttgaa gaccttcata ctgttttcca 180
tagtgactag accattttac attcccacca acaatgtaca agggttccag tttctccaca 240
tcctctccaa cacttgtaat gttttgtttt ttcataatgg catcttaaaa ggtattaggt 300
gatattacta tctcatgggt ttgatttgca tagcctagaa catttttgag tcttctgtg 360
tcctaccag gttattcatt tccagctact gctcttcctt tgctcatagc acacaacacc 420

```

agttgttagg tcctggagga agtaaaaata tgtgtaacta tgggccctgg ctatatgaat 480
caggatgctc tggacaagaa tttaaattatg aggaaaattt attttatttc ataacattag 540
tacgtgagta ggtaagccca ggagtttggg gattcagcaa ctctgagacc tcttaagggg 600
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tgccctgcctt cctgctgctg cagtttccagg catcacaccc agagataaca ttcataaaaag 720
aacaggagca tctcttctgt gttttcttct aaggaatgaa ggaaccattt cccagaagtc 780
cttcaagaat cctcttctag gccgggcaca gcggctcaca cctataatct caacactttg 840
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aagaccctgt ctctacaaaa aatataaaaa atgagcgggg catggtggct ctgcctgtg 960
gttccaccta ctagggaggc tgaggcagga ggatcacttg agcccaggaa tttgaggctg 1020
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```

<210> 554
 <211> 1004
 <212> DNA
 <213> Homo sapiens

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<400> 554
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aatgtcttt ccttctatct gggtcctgtt aaagcgggtg tcagttgtgt cttttcacct 180
cgatttgtga attaatagaa ttggggggag aggaaatgat gatgtcaatt aagtttcagg 240
tttggcatga tcatcattct cgatgatatt ctcactttgt cgcaaactct cccttatcgt 300
aagaacaagt ttcagaattt tccctccact atacgactcc agtattatgt ttacaatcca 360
ttggatgagt gcagcattat aagacccttg tgcccagaaa aatctgtcct ttttggtacc 420
aaacctgagg tcttttgga gataatgtag aaaaccacta cctattgaag gcctgttttg 480
gctaattctg gcaaactctg atgatacctg cttatgtgga ttcttttcca cactgctttc 540
attttttaagt ataaagactt agaaaactag aataatgctt ttacaaataa ttaaaagtat 600
gtgatgttct gggttttttc cttcttttta gaaccctgta tttaaacaag ccttcttttt 660
aagtcttgtt tgaaatttaa gtctcagatc ttctggatac caaatcaaaa acccaacgcg 720
taaaacaggg cagtatttgt gttcctaatt ttaaaaagct ttatgtatac tctataaata 780
tagatgcata aacaacactt ccccttgagt agcacatcaa ggggaagtgt tgtttatgca 840
tctatattta tagagtatac ataaacaaca cttccccttg agtagcacat caacatacag 900
cattgtacat tacaatgaaa atgtgttaact taagggtatt atatatataa atacatatat 960
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<210> 555
 <211> 2054
 <212> DNA
 <213> Homo sapiens

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<400> 555
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aaggctgac tcctctctaa ttctcagggc agggttctgt ccccatcccc ctccatgttc 180
ccagaggctg ggcatggagg gctgcctatc aagcccccat atctatatcc ctgctgtgcc 240
tccctttccc ccacccccag tgcccagca agaccttttg caccttcagt tccaccaagg 300
acttcccaga cgatgtcatc cagtttgccg ggaaccaccc cctcatgtac aactctgtcc 360
tgcccactgg ggggcgcctt cttttectac aagttggagc caattacacc ttcactcaa 420
ttgccgcgga ccgggttgca gccgctgacg gacactatga cgctctcttc attggcacag 480
acgttggcac ggtgctgaag gtgatctcgg tccccaaggg cagtaggccc agcgcagagg 540
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tttcttccaa gaggggtgagt gaccaggatg ggggtcgggg tgggatggac tgagcttgtg 660
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cggttccggc ggcaagacgt aaggaatggc gaccccagca cgttgtgtc cggagactcg 1080
tctcgtcccg cgctgctgga acacaagggtg ttcggcgtgg agggcagcag cgcctttctg 1140

```

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gagtgtgagc cccgctcgt gcaggcgcgc gtggagtgga ctttccagcg cgcaggggtg 1200
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ctgcgcaggc tgcggcgccg ggactcgggc gtgtacttgt gcgccgccgt cgagcagggc 1320
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caggctgggc tgctggaggt ggggcgaggc aggccgactg tactaaagta acgcaataaa 2040
cgcattatca gccc 2054

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<210> 556
 <211> 744
 <212> DNA
 <213> Homo sapiens

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<400> 556
gtctccatga gggtttttct gttgaggggc accacatata atagtgtgaa gtaggtatga 60
ggggcagtc ttgtattcta tagttttttt atgtagtcta catttctcag atgtatcccc 120
attcggtttt attctcagaa ctgttactag actcatgact tggaggccaa accttaaate 180
cagagatagc agcctcgata gggaccttaa aaggattcac aaaaactttt gccacacttg 240
gtgcctaggc cctgttctta ataaccctt ctagggccgt tcatccaaca tttagatgcc 300
ttcttttccc tccctaattt gtagccagtc caacctttca ttccttggag gatttagttt 360
tgggataaaa ttttggtcct tgggcacaga gacattcact attaatgaag taacccttgg 420
gcatgactcc aatcccagaa ttgctcactg agcgctatgc caccgaagcg ttgacctgaa 480
catattagtg caatccagtc cagattggac ctttgatcct atgtggaagg gctgtttttt 540
aagaaaaaat ttttggtaaa cagtattgtg taaaattgct ttttgtatac caatatatgc 600
atgttttgtg catgagtagt acttgtgttg atactcctgt tgatgttaaa ttactatata 660
atataaacag tatgtgtttt tatatatcat tgtgtaaatt taatataaca tatgcagtaa 720
taaaccattt gttttactgc taag 744

```

<210> 557
 <211> 549
 <212> DNA
 <213> Homo sapiens

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<400> 557
cttttttttt tttttttttt tttttttttt tatgagaatc atacagtggc tttatttctta 60
ctacttaaaa aaagggtgat tgatggcagt gatggtcaac atcacacagg gaagaccagg 120
tccacgcttt gtccagaatc aactgctacc acatgagtct tcttgggttaa gtcatttgag 180
cccacagtga cagaataggt ccctggatat acttctatgt agaggtcctt agagatgttc 240
tcagcctgac cattccctat gtccaagcac atgtgcagct tcgactcgcc tctgtgataa 300
cgatagacat gggttgcccc tccttctctt ggcacagatg aataatatat ctctcccggg 360
agaacgcgct gcggggccggc tgccggctgt ttctctaggt ggggcgcctc ccgggcaagg 420
accccatgc agcctttggg acgtccagg gcatgccagt ccaccgccct cctcttggcc 480
ctctccagca cttctagagc cagccttgct gaacgctgca gggaacgtcg gtccacccca 540
ttcagcgt 549

```

<210> 558
 <211> 855
 <212> DNA
 <213> Homo sapiens

```

<400> 558
cttttttttt tttttttttt tttttttaag acagttttgc tctgtcgccc aggctggagc 60

```



```

gcagtggcac gatcttggct cactgcaagc tccacctccc gggttcacgc cattctcccc 120
cctcagcctc ccgagtacct gggactacag gctcccgcca ccacaccag ctaatttttt 180
gtatttttag tagagacggg gtttcaccgt gttagccagg atgggtctga tctcctgacc 240
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ccggcctgat gtttttgaat gattatgaaa atgggtatac agcattaaaa ccttagactg 360
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ttgggtagcc ttgaagtcac cagaataact aggactcaaa ttcagaccaa accaggacta 660
gctttttgtg ccatgagtta gccatgggcc tggacccagc aaaaagaatg attatgatgg 720
tcagagtaag atgagcaatt gcaacataat attctctaatt attgtatact gtaaatttat 780
tcagctgccc tcgtttactc acagtttgct tatttgccac cataagaaat ggtacaataa 840
aaattcatgt aatcg 855

```

<210> 559

<211> 504

<212> DNA

<213> Homo sapiens

<400> 559

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gcggcggggc ctgcaagttg actgtgggaa actcggaac aagctcacat cttcctgtgg 60
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ttcctgagag ccggcctct cctccagta cttctgtttg tgcccttctg cttcccccat 180
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aggcctggca cagccttggc ttccacgcct gacgctggag agcacgagtt agttgtagtc 360
cggttgcgg tggggctgac ttctgtttgg tttgagcccc tttttgtttt gccctctggg 420
tgttttcttt ggtcccgag gaggtgggt ggagcaggtg gactggagtt tctcttgagg 480
gcaataaaaag ttgtcatggt gtgt 504

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<210> 560

<211> 1236

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 175,880

<223> n = a,c,t, or g

<400> 560

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gcgtgagaaa ggggaggaga gtggttgctg ccctcagccg gcttgaggac agagnctgtc 180
cctctcatga caactcagtg ttgaagccca gtgtcctcag cttcatgtcc agtggatggc 240
agaagttcat ggggtagtgg cctctcaaag gctgggcgca tcccaagaca gccagcaggt 300
tgtctctgga aacgaccaga gttaagctct cggcttctct gctgaggggtg caccctttcc 360
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cgtttcagag aaattttttt tcctatgtgc aacacgaagc ttccagaacc ataaaatatc 840
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cagccccatt tcccaagctc tgttcaagtt aaacttatgt aagctttccg tggcatgcgg 1080
ggcgcgcacc cacgtccccg ctgcgtaaga ctctgtattt ggatgccaat ccacaggcct 1140

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gaagaaactg cttgttgtgt atcagtaatc attagtggca atgatgacat tctgaaaagc 1200
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<210> 561
 <211> 565
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 512
 <223> n = a,c,t, or g

<400> 561
 tctgtcctca ttccctgccc ttcccttgggt tgccatatgg aatggccatg gaatgcacga 60
 agtcacaatg caccatccat gagaagacag tgaaatgatg taatgacaga gaaggcagac 120
 aacatgtttc cgtgactcat ctagtcagag caattatggg aaacagcttt ggtcaacatt 180
 ctactttgga aagaattttg agtctagatg tgggttaaatt ttgacttctg ggaacttggt 240
 tcagatgtcc ctttcaactgt atgtcctctg acccctttgg caagggtgcc acagctccca 300
 cagcccttcc tacaagcacc tatcattggg cttgtcacac tctattgctc ttctgtcccg 360
 aagatgcagt cttctctcca atgatactac caagtcttag ttttccctcaa ccacactcaa 420
 tctttttgct ccaccctgaa ttcttcacac ctaaccctga tagttaccta aagtgcact 480
 taaatgtttc agagtgaatg caaaaaagag tngatgtact tggagtcgga tatacaattt 540
 atccctaatt aaagcattta aaagg 565

<210> 562
 <211> 581
 <212> DNA
 <213> Homo sapiens

<400> 562
 cccacgcgtc cggccgcaac ctgcacagcc atgcccgggc aagaactcag gacggtgaat 60
 ggctctcaga tgctcctgggt gttgctgggt ctctcgtggc tgccgcatgg gggcgccctg 120
 tctctggccg aggcgagccg cgcaagtctc ccgggaccct cagagttgca ctccgaagac 180
 tccagattcc gagagttgct gaaacgctac gaggacctgc taaccaggct gcggggccaac 240
 cagagctggg aagattcgaa caccgacctc gtcccggccc ctgcagtcgg gatactcacg 300
 ccagaagtgc ggctgggatc cggcggccac ctgcacctgc gtatctctcg ggccgcccctt 360
 cccgaggggc tcccggaggc ctcccgcctt caccgggctc tgttcgggct gtcccgcacg 420
 gcgtcaaggt cgtgggacgt gacacgaccg ctgcggcgct agctcagcct tgcaagaccc 480
 caggcgcccg cgtgcacct gcgactgtcg ccgcccgcgt cgcagtcgga ccaactgctg 540
 gcagaatctt cgtccgcacg gcccagctg gaggttgcact t 581

<210> 563
 <211> 1007
 <212> DNA
 <213> Homo sapiens

<400> 563
 gaagcggatc ccgtccgagc cccggcccca agtaacgcgc ccgccccgga gccgccttgg 60
 aggtccccct cccactaag tgctcttttg catagacca gtccccacc gcacgctctc 120
 tggaccacta cagctggacg ggcaatggcg ggtcggggag gcgcagcacg acccaatgga 180
 ccagctgctg ggaacaagat ctgtcaattt aagctggttc tgctggggga gtctgcggta 240
 ggcaaatacca gcctcgtcct ccgctttgtc aaggagacgt ttcacgagta ccaggagagc 300
 acaattggag cggccttcct cacacagact gtctgcctgg atgacacaac agtcaagttt 360
 gagatctggg acacagctgg acaggagcgg tatcacagcc tggcccccat gtactatcgg 420
 ggggcccagg ctgccatcgt ggtctatgac atcaccaaca cagatacatt tgcacggggc 480
 aagaactggg tgaaggagct acagaggcag gccagcccca acatcgtcat tgcactcgcg 540
 ggtaacaagg cagacctggc cagcaagaga gccgtggaat tccaggaagc acaagcctat 600
 gcagacgaca acagtttgct gttcatggag acatcagcaa agactgcaat gaacgtgaac 660
 gaaatcttca tggcaatagc taagaagctt cccaagaacg agccccagaa tgcaactggt 720
 gctccaggcc gaaaccgagg tgtggacctc caggagaaca acccagccag ccggagccag 780

```

tgctgcagca actgagcccc ctttgccctgc ccgctgcccc cgcctcctcc gcctgaatga 840
cccgactgga atccactcta accaatcgca cttaacgact cgggccacca ctgggggggc 900
agggggaggg gtccaccatg atttctccat ataattttga tcataggccg gagtgagtca 960
ttccacctgc acctttctgt acaaatacta attcaatttt aagtctt 1007

```

<210> 564
 <211> 946
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 942
 <223> n = a,c,t, or g

```

<400> 564
gccaacctcc tactcctcat tgtacccatt ctaatcgcaa tggcattcct aatgcttacc 60
gaacgaaaaa ttctaggcta tatacaacta cgcaaaggcc ccaacgttgt aggcccttac 120
gggctactac aacccttcgc tgacgccata aaactcttca ccaaagagcc cctaaaaccc 180
gccacatcta ccataccctt ctacatcacc gccccgacct tagctctcac catcgctctt 240
ctactatgaa cccccctccc catacccaac cccctgggtca acctcaacct aggcctccta 300
tttattctag ccacctctag cctagccgtt tactcaatcc tctgatcagg gtgagcatca 360
aactcaaact acgcccctgat cggcgcactg cgagcagtag cccaaacaat ctcatatgaa 420
gtcaccctag ccatacttct actatcaaca ttactaataa gtggctcctt taacctctcc 480
acccttatca caacacaaga acacctctga ttactcctgc catcatgacc cttggccata 540
atatgattta tctccacact agcagagacc aaccgaaccc ccttcgacct tgccgaaggg 600
gagtccgaac tagtctcagg cttcaacatc gaatacgccg caggccccct cgccctattc 660
ttcatagccg aatacacaaa cattattata ataaacaccc tcaccactac aatcttccta 720
ggaacaacat atgacgcact ctcccctgaa ctctacacaa catattttgt caccaagacc 780
ctacttctaa cctccctggt cttatgaatt cgaacagcat acccccgatt ccgctacgac 840
caactcatac acctcctatg aaaaaacttc ctaccactca ccctagcatt acttatatga 900
tatgtctcca taccattac aatctccagc attccccctc aancct 946

```

<210> 565
 <211> 426
 <212> DNA
 <213> Homo sapiens

```

<400> 565
gattacagca gctcacgtga cggatatggt ggaagtcgag acagttactc aagcagccga 60
agtgatctct actcaagtgg tcgtgatcgg gttggcagac aagaaagagg gcttccccct 120
tctatggaaa gggggtaccc tcctccacgt gattcctaca gcagttcaag ccgcggagca 180
ccaagagggtg gtggccgtgg aggaagccga tctgatagag ggggaggcag aagcagatac 240
tagaaacaaa caaaactttg gacaaaaatc ccagttcaaa gaaacaaaaa gtggaaacta 300
ttctatcata actacccaag gactactaaa aggaaaaatt gtgttacttt ttttaaattc 360
cctgttaagt tcccctccat aatttttatg ttcttgtgag gaaaaaagta aaacatgttt 420
aathtt 426

```

<210> 566
 <211> 332
 <212> DNA
 <213> Homo sapiens

```

<400> 566
tgacgaccta cgcacacgag aacatgcctc tcgcaaagga tctccttcat cctctctccag 60
aagaggagaa gaggaacac aagaagaaac gcctggtgca gagccccaat tcctacttca 120
tggatgtgaa atgcccgagg tgctataaaa tcaccacggt ctttagccat gcacaaacgg 180
tagttttgtg tgttggtgc tccactgtcc tctgccagcc tacaggagga aaagcaaggc 240
ttacagaagg atgttccttc aggaggaagc agcac+aaaa gcactctgag tcaagatgag 300
tgggaaacca tctcaataaa cacatttttg at 332

```

<210> 567
 <211> 870
 <212> DNA
 <213> Homo sapiens

<400> 567
 gtagacagcc ggggccttcg tgagaccggt gcaggcctgg ggtagtctcc tgtctggaca 60
 gagaagagaa aaatgcagga cactggctca gtagtgcctt tgcattgggt tggctttggc 120
 tacgcagcac tggttgcttc tgggtgggatc attggctatg taaaagcagg cagcgtgccg 180
 tccctggctg cagggtgctt ctttggcagt ctagccggcc tgggtgctta ccagctgtct 240
 caggatccaa ggaacgtttg ggttttccta gctacatctg gtaccttggc tggcattatg 300
 ggaatgaggt tctaccactc tggaaaattc atgcctgcag gtttaattgc aggtgccagt 360
 ttgctgatgg tcgccaaagt tggagttagt atgttcaaca gaccccata gcagaagtca 420
 tgttccagct tagactgatg aagaattaaa aatctgcac tccactatt ttcaatatat 480
 taagagaaat aagtgcagca tttttgcac tgacatttta ctaaaaaaa aagacaccaa 540
 acttggcaga gaggtggaaa atcagtcacg attacaaacc tacagaggtg gcgagtatgt 600
 aacacaagag ctttaataaga ccctcataga gcttgattct tgtatattga tgttgtcttt 660
 tctttctgta tctgtaggta aatctcaagg gtaaaatgtt aggtgtcagc tttcagggct 720
 ctgaaaccct attccctgct ctgaggaaca gtgtgaaaaa aagtctttta ggagatttac 780
 aatatctgtt cttttgctca tcttagacca cagactgact ttgaaattat gttaagtga 840
 atatcaatga aaataaagtt tactataaat 870

<210> 568
 <211> 586
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15,18
 <223> n = a,c,t, or g

<400> 568
 gtgttttagc cttgnggntt gtaaaagaac agtaacagtc taaaggtact ttttgattga 60
 agataggcag tagaaatacc taaaatatatt gtagaaaaca taaaactgga cttcagtgtc 120
 aactagtga tctggacagg gatgttttcc attccatctg gcataacccc ttcctgagcc 180
 catggacata tctgaagcct tcctcctcac agttcagccc aggccttcca tgaacacatt 240
 tgcttgttca catctgtctt tgtctaactc ttatagcatt tctgtcttct gtcattttct 300
 gttggatact taacctttta ttaggctgtt ggtgtgtatt attctttaca gctagatctt 360
 aaccttattg atagacatca tattttgtat ttttcacacc gatcagtttt tagctgaaag 420
 ctattatata taggaggccc ttaaaatata tgtaaatga ataagtattt cacaacccgt 480
 ttttgaatat ttccctctct aggtttgaac ttggctcatc ttccatagcc cacatggtaa 540
 tgggtacaac aaatcaattc tccacaagaa cacggcttga agaggt 586

<210> 569
 <211> 822
 <212> DNA
 <213> Homo sapiens

<400> 569
 agctcctgca cccccaggct ctgcagctgc ttgttaagct ttttgagact gagcactccc 60
 agctggacgt gatggagcag cttgagttga agaagacact gctggacagg atggttcacc 120
 tgctgagtcg aggttatgta cttcctgttg tcagttacat ccgaaagtgt ctggagaagc 180
 tggacactga catttcactc attcgctatt ttgtcactga ggtgctggac gtcattgctc 240
 ctcccttatac ctctgacttc gtgcaacttt tcctcccat cctggagaat gacagcatcg 300
 caggtagcat caaaacggaa ggcgagcatg accctgtgac ggagtttata gctcactgca 360
 aatctaactt catcatgggtg aactaattta gagcatcctc cagagctgaa gcagaacatt 420
 ccagaacccg ttgtggaaaa accctttcaa gaagctgttt taaga;gctc tggcagcgtc 480
 ttgaaaatgg gcaccgctgg gaggaggtgg atgacttctt taciaaggaa aatggtagca 540
 gcttcagtga gaaactgcc ttacaaacag tccttctct gctgtcaatc caatactgct 600
 cccaaatcct gttttcagtg ttcattttccc tcaaggcagg cgctgggctc ccacgacccc 660


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tcaggacaga tctggccgtc agccgcgggc cgctgggaac tccactcggg gaactccttt 720
ccaagctgac ctcagttttc tcacaagaac ccagtttagct gatgttttat tgtaattgtc 780
ttaatttgct aagaacaagt aataagtaaa tttttaaaaa gc 822

```

```

<210> 570
<211> 1505
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1450,1500
<223> n = a,c,t, or g

```

```

<400> 570
gacaagcttg gtctgtaaga acacgtgggc aggtgtgtgg gtgtctcaga ccctcgagct 60
catcccagac cctgtcccat gtcagtttagc aagccaccaa agtccataag ggatcctgtg 120
gggtggaagg tccgcggggc ctgcttccct gttgctgggt caggcggagt gtctgaaggc 180
tgcacgcatac tgggcatagc agtgcgccca acgcttcttg taaaacagac atttcgcctg 240
ctaggccttt taaatgcctc tctgttttct gaaatatgcc gtaaagggca atggaaatgt 300
gctttttata tactcctgtt ttttctctcg tgagtgtgca atcgggggac agtggtgagt 360
tgctgggggtg gcgtttttct gctcgtttcc tggccccttc ttccttccct tcaaccctat 420
caggggctta ctaagaaaaa aaaaaaaaca tccaagcgtg ttgcaggcag atgagcagtc 480
gcgggaatgg ctttccgggt gacatctgcc agtttggtcc ccatggcgct catcccgcgg 540
gctcggaccc cagcctctct tacatcttcc ctttgtatgg gaaggggtcg cagcagccca 600
cagcttcggc ccggcttccg ggcttgggga atcttctccg tatcgtagct cttggctcct 660
ccatataaga cataggaaca tgcctggagg caaagctcct ttctaggaga gatgccctc 720
tcttacttac ataatatgac tgggaaatta tatgtgaatt gcatttttaa aagcggactc 780
atttaaaatg tttcaaaaga ggcttgctag tcaagggact gctggcatga atcattatgg 840
aaaacaaatt aataaccttc tgtcttcaga ataaatatat tgggagaaag cttgggtagca 900
gagtagaaaag aaggcagcct ttggccacag agccagctaa ggggtcfaat ctcacacccg 960
ctgcttgccct cggctgcccc taaatgtggg tactccatgt ttcacgagac caaaaatgca 1020
gggtgggagtc actgggtgctt ggggggtttct gccttctctg ccagtgttgg ggagtggggg 1080
gccctattct ccatgtcagc cttgccatga gtaaaaacag gaggaaaaaa agagctgggg 1140
acagaacgtc cttcttctgt tgcctccagc ggcttcagag cagactttcc tggaaactccg 1200
gtttcctgag cgcttgctct tgactcagtt tccccagccc aagccccgcc acatccatcg 1260
tagctagctc ctcttagtgc cgttctctgta gctagtggtc acccgccgtt ctgtattgtc 1320
actgcccttt cctcgggtgac catatgtctg agggtttcca tagaaaatct tagaggtttg 1380
gctgggcgca gtgctcacgc ctgtgatttc aacactttgg aaggctgagg caagcaatca 1440
cttgaggctn ggagttcaag accagcctgg gcaacataac aagactcatc tctgtttatan 1500
aaggt 1505

```

```

<210> 571
<211> 1010
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 943,945
<223> n = a,c,t, or g

```

```

<400> 571
cagagaacaa gatgtgtctt atgagtcttc tttctcaata cctgcccctgt ctcaaattctc 60
acttgacaaa tgggtctacga tcttgtagtt atccaaaaga gcctatgaaa aatggacagc 120
tgcttttgac aataatgccc ctcccaactt cccattcata gaatcataaa gcgatatgtt 180
tcagaactga gagagaaaag tttacctttt attccaaatg cctcgtactc ggtttaagtc 240
cagactcagg tcataaatca aagacagttt tgcacgttgc tcttcaccta aatctagcag 300
tttccctgag gccctatgag ggcatggaca gaaaatgaag gatgcaacca cccaggacag 360
ctccctgggt tgggctggcc tggccacgtg tggtcacatg tcctgggagc tgtgtttact 420
gtgtccttgc tctccttctc tgcagaagct gctaagctct gctcctccta actgcaggtc 480

```

tcaaacccta	ttgggtcatt	ttgccacact	atttctccaa	aggcccatag	tcattacatt	540
ttttaccatt	tcaccaagat	aacagggggg	gtctggaatt	cccttgctag	gaagggcccc	600
ttttcctata	tcaccgtgat	ggtacagatg	aactgagatg	aaacttttag	acttcagcac	660
gtcacacatc	ctggttgtat	aaccaggagg	tctgcagagc	tgcaaccctt	gaagaacatc	720
tgtcttaaaa	gacctcaaat	cagaacattc	tcattggcct	cttcagtgat	cccatggag	780
ctaagagtcc	gtaacctaaa	ggccttacca	tagccatctt	ccctccacac	ctgattgctc	840
aactgcccc	gaaggggaga	atctatctga	aatagaaaag	aagcattaag	gaccaggtgc	900
ggtggctcac	acctataatc	ccagcacttt	gggaggccaa	ggnangtgga	tcacttaaga	960
tcaggagttc	aagaccagcc	tggccaacgt	ggtgaaaccc	catctctact		1010

<210> 572
 <211> 673
 <212> DNA
 <213> Homo sapiens

<400> 572

cccaggcgcc	tctagacctc	agcctcagcc	tcagcctcag	cctcagcccc	gatgtcagca	60
ctgaggcctc	accccccaga	gcttcccagg	acattccttg	cttggacagc	agtgcccttg	120
agagtggcac	acctatgggt	gccctgggag	actggcctgc	ccctattgag	gagcgtgaga	180
gcccggcagc	ccagccccctg	ctggaacacc	agtactgagc	tacctggcgc	ccactggacc	240
acctcctagg	attcagtaac	ggacctgctc	tgctgcctct	ctgctggacc	acagaactga	300
gtggcttttg	cctacatgtc	tgaacctga	cctttggctg	ccttggccag	agtacccaaa	360
ctgagtgacc	cagacctctg	accttgaccc	ctgatctctc	tcattccccag	tccagggcct	420
gggctcccca	gatggaggca	gtcagcctcc	cagccaggcc	ctaagagcca	aacctatgggc	480
tgggtcccact	tggagcctgt	ggccaggacc	acctcagccc	ctgggcctgc	actgcctgca	540
ggtgtggccc	ccttggcctg	gacctggggc	ctgaattgtg	ggaaggggtg	tttctttctt	600
tccttttttt	tcttttctct	tttttttttt	tttttgtgct	tcggagacat	cagaattaat	660
aacactattt	ttg					673

<210> 573
 <211> 649
 <212> DNA
 <213> Homo sapiens

<400> 573

tttaatttgt	gcagaatgat	aaagaatggt	ccttttagaa	gtgtgttatg	tctgtacctg	60
tctgaagagt	gacattaaac	tttgaaagga	cttcactgct	cctttacgat	attccaaata	120
gtttttttaca	ttggaaaaac	taattcttgg	gattcctttca	tacattttca	tcaaaacttt	180
cagtgtgatt	atgtattcat	atcttcagtt	taatatgtca	gtataataga	tattgttcaa	240
aagtttcttg	ttgctaaaagt	ggtgtaatct	gttacacaga	tgaatagcta	gatgtggaaa	300
gagatatgta	aacaagaaac	ccttgggtat	tgtttcttaa	gtaaaattgg	gacaatcatg	360
gtaagcaaac	ttagttctgt	aactgcattt	ttcaccttaa	aagttaaatg	aatgcatga	420
tggatatttta	ttccttgaat	tatgcaatgc	aacatttttac	atgtaaatag	cactgggtcat	480
atactgatgt	atatggttat	ctgggttata	tctattttta	tgtaaactct	attttgtttt	540
tggcaagaag	tgaatttgag	acttatgtgc	aggttgccat	tgaattttgc	tctgggtgaat	600
gctgagatcc	agctttttct	tacaaataaa	tgggaccctg	ttttccaat		649

<210> 574
 <211> 840
 <212> DNA
 <213> Homo sapiens

<400> 574

aatctgtagt	cctacaaaac	tcaggcatag	aactcatttc	ctttatggct	ctataatgga	60
acttttacc	actctcacgt	tccccatgac	cacagatgtg	gaaaatttga	atcttgacag	120
ttcaagggtga	actcagtcac	tttcagagtt	ttcatagtcc	cttcaagatt	gaaactcagt	180
tcctgcaatg	tttgcccctt	ttctcctctt	ttgtctatgc	tgggagaggg	attgtgggga	240
gggttgtctg	gcttatggct	cccatgtgcc	tctgcttgat	aaaccacctg	agctttgggtc	300
attagcagtc	tcctgtgcct	ttcacactca	ggtagtgtct	gcacaggcca	ctctatgtct	360
ttccatgctg	aagaaattcc	tttcagggcc	atgtctgtgt	tcctcctgcc	acacaggaaa	420
tttttgagca	tgttcacctc	ccaagctgaa	tgcagggtct	tgggtagtgg	tcctcacctg	480

```

ctccagagac ttctccagcc attgccactc tccactcagg tgatgaagct ggatgaggga 540
ctgcacccac cagagtcagg ccagggtcct gtctgctctg tgagtccttc caattgttct 600
tattccgaga tttccattgt tctgccccct cttgactccc agggctctca agggagtggg 660
ggtagtgaag ggagcccttt cccaagctcc cccaagagct ctagtcacat cacttctgat 720
acttcttttc ccaccagctg gaagaaagaa ctttcatttg tcttgaaatg agaaaaatgt 780
tcttagaata ttttgtatta ctctctgctc tgtcatttat ggtaaacaaa ataaaataat 840

```

<210> 575
 <211> 606
 <212> DNA
 <213> Homo sapiens

```

<400> 575
gggaggtgat cggggcagga gtaaagtgga cacctcagca aagccattcg ctgtgatctc 60
tgattgtgca gtgtcatgtc ctgtcaccag agccccctcg tgtttgatgt tggccaatgc 120
cgccagcatg atctagcagg ccaaatacta atctaccatt ctctgacacc agctgggtccc 180
ctgggtcgtc caccgatgt cccccattct cccacttgg cctccccac aggtctcgg 240
caaaggaccg tgggaggcac ctgtgacact gcccttttcc tgtgcagctg tttttcttct 300
tcattctttt cactcctcgt tactcttttt ttttttctc ctgagccac acaaaactag 360
gaactttgtt attctactta tttttctgta ctctgtctgt ttgcacacag atggatatct 420
gagagccagc gaactttctt tacctcctag tatcatttca tgaaaattag tagcacctgc 480
acaatggggc cttggagaca ggaataaaaag gaaaaatctg gaatggaatc acatgacgca 540
acaggctatg aagactccct gcccggtctg tataatgtctg gtaaacagaa taaatagtac 600
ttgagc 606

```

<210> 576
 <211> 352
 <212> DNA
 <213> Homo sapiens

```

<400> 576
gccacctgcc ctgcctgggg gatcatactc ctgtcatagc agttgaagtt gccctcttct 60
tgccaaagtc tttcctggta tccagttgca atgagtcatt cctttcttct ggggtgtccac 120
agtttgttct tctgcttcag ttataccatt cagctcattc ttgtttttct ttttattgga 180
attatgtgtg gacttctatc ttccaaaagc ctagaagctg agggctgggt ctttgttcat 240
ctttgtgtgc ccattgcac atggaataat acttggaata caaggccggc aacaccatac 300
aagctcagtg aatatattta tgtcatgctt caataaacta atgatatttt at 352

```

<210> 577
 <211> 747
 <212> DNA
 <213> Homo sapiens

```

<400> 577
ctaattgagg attacagaaa gaaaaaaagc atttgcttta tttttagacg tgatctctga 60
tgtcttcaac ttttatcggt ctgtttttta ccttagatta ttataaccag ccacctacaa 120
aatctgcaat tttctctaata aagtcagcac ctgttaaaaa ggaggttgca caaaacactc 180
ccatttgcag tttggaagga ttattatctg ctttgggtctg tgaagtggaa agtcaatgtt 240
cttattcaat ctgtgtctaa tgggtgtcatt ttgaggacaa tggaaaacag atcatgtttg 300
attccttaag atgtggccac tgctatttgt ggtacaattt gtgatctgag agctgcatgt 360
aaaaaacaca tgagcaaaaa gaatatccag cacacaaggg ctggctttct gattctcaga 420
ggatatagtga caacacagct tacctctgca ttcaaagaag ctagaactta ccgcggataa 480
tcattagtag aagacagctt aaagtagtgt ctgctttctg gctaggcctg attcacaggt 540
gctgtgataa attcaaaaag acctgcctcc tctgatgtgc tagtatcaag ggtgaggagg 600
acagttaacc aaactgggtc aaagcattgt cagcaaagac ctgggtgctga atcatgttgg 660
gaaactggag tttggagcta gagaggcaat aaccaagtat caaggctctga atgtccactt 720
tgtaaccact gtagtaataa ttgactc 747

```

<210> 578
 <211> 791
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 418,419

<223> n = a,c,t, or g

<400> 578

```

gggcaccatg ccaagcactt tcatcattat ttatacatcg tcaccacacc ccctctattc 60
atgagaagta aagctgagaa aggaccagat tgaccaagcg ccagagacaa aatgtggcac 120
aacgagaacc ccagccctgt ccaggtggct ccgcgccag ggcccaggct tagcagtgct 180
ccctgcccta tctttgggaa aatcttgctt ttatggtctt cccctctctc gccctcaaga 240
acaagggcct tgtgcgtggg ccttcccatt gctgctttcc caagaaggcc tggattcagg 300
ggagaggcct tcccagggcc actcccctta caccctccca gaggcctgag caaccctct 360
ctgggtgggt tggggctggg gctgcctggc ggaaggacag tgagggcggc cctagccnnt 420
ccaccctctt gcgcctctgc cctctcccag tcccctgtg gcttctgaaa atctcaggga 480
cagatgaggc tgagccccta gtcccctctg tgtgctttga gcctccagac tcgaggctgg 540
tactgcagg tcccaggtgg aatttgga caactggcct ggagggcggc cctgtaagcc 600
cccaccacgg ggagaccctc atccctgccc ctgtgtggct gcgcaagtat tctgcccgcc 660
tcccaccatc agccttcgcc caaggggccc ttctgcctct gcttccctcc cttctcctct 720
gtcttgccct ggcccacgca cgctgtctc gtcttctctg ttttgctgca ctcacttttt 780
tatactctga c                                     791

```

<210> 579

<211> 764

<212> DNA

<213> Homo sapiens

<400> 579

```

cggacgcgtg ggtttcctag acacccttg gccacctttt tccacctgtt tttccgagtg 60
agtgccatcg tcacctacgt gagctgcgac tggttcagca agagctttgt gggctgtttt 120
gtcatggtgc tgctcctcct gtccctggac ttctggtctg tgaagaatgt aaccggaaga 180
ctcctggtgg gccttcgatg gtggaaccag atagatgaag atgggaagag ccactggatc 240
tttgaagcca ggaaggtctc tccgaatagc attgctgcca cagaagctga agcacgaatc 300
ttctggctgg gcctcataat ctgcccctatg atatggattg tgtttttttt tagcacctta 360
ttttccttga agctaaagtg gctggctctg gtggttgctg ggatctctct ccaagctgca 420
aacctgtatg gctacatcct ttgtaagatg ggaggcaaca gtgacattgg caaggtcaca 480
gccagtttcc tgtcccagac agtggtccag acggcctgcc caggtgactt tcagaagcct 540
ggcctcgagg ggctggagat tcaccagcat taggaactga tgaggttctc ttcttttgac 600
tgatggagat tacaaaactc ttggattcct ggaaaacaag acgacaggca tagagtgcta 660
atggcttgct tacccttga cagccctgtc ctgtgctggg gagggctgtg ttttgacagg 720
ggtggaatcc tctggctagt tccataaaaa gacctgtgtc tgtg                                     764

```

<210> 580

<211> 746

<212> DNA

<213> Homo sapiens

<400> 580

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ccgtcttccc caaccaggag caggcccggg agctggcaaa gacgctgggt ggctgaggag 60
ccagcctagg gcttcgggtc gcggcagcgc tgaccgccat ggacaagccc ctgggtcgct 120
gcgtgggcca cgcctggag gtggaggagg cgctgctctg catggacggc gcaggcccgc 180
cagacttaag ggacctggtc accacgctcg ggggcgcctt gctctggctc agcggacacg 240
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ttggccgctt cgagcggatg ctggcggcgc agggcgtgga tcccggctct gcccgagccc 360
tgtgctcggg aagtcccgc gaacgcgggc agctgctgcc tcgcgcccgg gagcaggagg 420
agctgctggc gccgcagat ggcaccgtgg agctggtccg ggctgctgct ctggcgctgg 480
tgctgcacga gctcgggggc gggcgagccc gcctggggga gccgctccgc ctggggctgg 540
gcgcagagct gctggtcgac gtgggtcaga ggctgcgccc tgggaccccc tggctccgcg 600
tgcaccggga cggccccgcg ctacgcggcc cgcagagccg cgcctgcag gaggcgctcg 660
tactctccga ccgcgcgcca ttgcgcgccc cctcgcctt cgcagagctc gttctgcgcg 720

```


cgcagcaata aagctccttt gccgcg

746

<210> 581
 <211> 665
 <212> DNA
 <213> Homo sapiens

<400> 581
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 aggaccaggg gccacacctc tgcccaggga gtccttgctt cccatgaggt cttcccgcga 120
 ggctctcag acccagatgt gacgggggtg gtggcccagag gaagctggac agcggcagtg 180
 ggctgctga ggcttctctt tgaggcctgt gctctggggg tcccttgctt agcctgtgcc 240
 tggaccagct ggctgggggt ccctctgaag agaccttggc tgcctactgt ccacatgtga 300
 actttttcta ggtggcagga caaatcgcg ccathtagag gatgtggctg taacctgctg 360
 gatgggactc catagctcct tcccaggacc cctcagctcc ccggcactgc agtctgcaga 420
 gttctcctgg aggcaggggc tgctgccttg ttccaccttc catgtcaggc cagcctgtcc 480
 ctgaaagaga agatggccat gccctccatt tgtaagaaca atgccagggc ccaggaggac 540
 cgcctgccct gcctgggcct tggttgggct tctgggtctg acactttctg ctggaagctg 600
 tcaggctggg acaggctttg attttgaggg ttagcaagac aaagcaaata aatgccttcc 660
 acctc 665

<210> 582
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 582
 aaaagaaaaa ctgtaatcca tagccccagg cccaacacct gggctgtctc agctgggaac 60
 ttgtttcagg tcgacttggg tttgagtcgt ggccccagaa cttcacagtt gtgtagtcac 120
 ggagaagtca gttaacctca gtgaatctca gcatccagtg agaaaatcct catctccttt 180
 atagggatgc tggatgtgtg cctagcacag tgcttggtt gcagacagtg tccccaaaca 240
 gaaccagccc tgaataaatt gtgtgacaca caggcctcag ttcttgaaaa ggcttttagag 300
 accaggcatg tggcttatgc ctataatccc agcactttga gaggtgagg ctggaggatc 360
 acttgagctc aggagtttga gaccagcctg ggcagcacat tgagactttg tctctaaaaa 420
 aaaaaatcaa aaaaattagc gaggcattgg ggcacatgcc tgtgggtcca gctaccctgg 480
 aggctgagggt gctgagaatt ccagcctggg tgacacagtg agatcttgac tct 533

<210> 583
 <211> 952
 <212> DNA
 <213> Homo sapiens

<400> 583
 ctttatctcct gtaaatatatt ctgtgaaaac taggagaaca gagatgagat ttgacaaaaa 60
 aaaattgaat taaaaataac acagtctttt taaaactaac ataggaaagc ctttcctatt 120
 atttctcttc ttagcttctc cattgtctaa atcaggaaaa caggaaaaca cagctttcta 180
 gcagctgcaa aatggtttaa tgccccctac atatttccat caccttgaac aatagcttta 240
 gcttgggaat ctgagatatg atcccagaaa acatctgtct ctacttcggc tgcaaaaccc 300
 atggttttaa tctatatggt ttgtgcattt tctcaactaa aaatagagat gataatccga 360
 attctccata tattcactaa tcaaagacac tattttcata ctgattcct gagacaaata 420
 ctactgaag ggcttgttta aaaataaatt gtgttttggt ctgttcttgt agataatgcc 480
 cttctatttt aggtagaagc tctggaatcc ctttattgtg ctgttgctct tatctgcaag 540
 gtggcaagca gttcttttca gcagattttg ccactattc ctctgagctg aagttctttg 600
 catagatttg gcttaagctt gaattagatc cctgcaaagg cttgctctgt gatgtcagat 660
 gtaattgtaa atgtcagtaa tcacttcatg aacgctaaat gagaatgtaa gtatttttaa 720
 atgtgtgtat ttcaaatttg tttgactaat tctggaatta caagatttct atgcaggatt 780
 taccttcact ctgtgcatgt ttcccaaact gtgaggaggg aaggctcaga gatcgagctt 840
 ctctctgag ttct acaaa atggtgcttt gagggtcagc ctttaggaag gtgcagcttt 900
 gttgtccttt gagctttctg ttatgtgect atcctaataa actcttaaac ac 952
 <210> 584
 <211> 661

<212> DNA
<213> Homo sapiens

<400> 584
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ccacctggag gctcagtagc acaaccacca caaccggcct cagggtcaca cagggcaaac 120
gacgctcaga ctcttggcac ataagtctgg agactgctgt ggggggtggc gtggctgtca 180
ctgtgctcgg aatcatgatt ttgggactga tctgcctcct caggtggagg agaaggaaag 240
gtcagcagcg gactaaagcc acaacccag ccagggaacc cttccaaaac acagaggagc 300
catatgagaa tatcaggaat gaaggacaaa atacagatcc caagctaaat cccaaggatg 360
acggcatcgt ctatgcttcc cttgccctct ccagctccac ctcaccacaga gcacctccca 420
gccaccgtcc cctcaagagc ccccagaacg agaccctgta ctctgtctta aaggcctaac 480
caatggacag ccctctcaag actgaatggg gaggccaggt acagtggcgc acacctgtaa 540
tcccagctac tctgaagcct gaggcagaat caagtgaagc caggagtcca gggccagctt 600
tgataatgga gcgagatgcc atctctagtt aaaaatatat taacaataaa gtaacaaatt 660
t 661

<210> 585
<211> 422
<212> DNA
<213> Homo sapiens

<400> 585
cccacgcgtc cgggtgactgt ctctccagat ggatccctct gtgcttctgg aggcaaggat 60
ggccaggcca tggtatggga tctcaacgaa ggcaaacc tttacacgct agatgggtggg 120
gacatcatca acgccctgtg cttcagccct aaccgctact ggctgtgtgc tgccacaggc 180
cccagcatca agatctggga tttagaggga aagatcattg tagatgaact gaagcaagaa 240
gttatcagta ccagcagcaa ggcagaacca cccagtgca cctccctggc ctggtctgct 300
gatggccaga ctctgtttgc tggctacacg gacaacctgg tgcgagtgtg gcaggtgacc 360
attggcacac gctagaagtt tatggcagag ctttacaaaa aaaaaaaaaa ctggcttttc 420
tg 422

<210> 586
<211> 924
<212> DNA
<213> Homo sapiens

<400> 586
ggcttttctt tgtgggctca agagaaggcc atctccctga tgccatctgc atgatccatg 60
ttgagcgggt cacaccagt ccttctctgc tcttcaatgg tatcatggca ttgatctact 120
tgtgctgga agacatcttc cagctcatta actactacag cttcagctac tgggtctttg 180
tggggctttc tattgtgggt cagctttatc tgcgctggaa ggagcctgat cgacctcgtc 240
ccctcaagct cagcgttttc tccccgattg tcttctgcct ctgcaccatc ttcctggtgg 300
ctgttccact ttacagtgat actatcaact ccctcatcgg cattgccatt gccctctcag 360
gcctgccctt ttacttcctc atcatcagag tgccagaaca taagcgaccg ctttacctcc 420
gaaggatcgt ggggtctgcc acaaggtagc tccaggctct gtgtatgtca gttgctgcag 480
aaatggattt ggaagatgga ggagagatgc ccaagcaacg ggatcccaag tctaactaaa 540
caccatctgg aatcctgatg tggaaagcag gggtttctgg tctactggct agagctaagg 600
aagttgaaaa ggaaagctca cttctttgga ggcacctgtc cagaagcctg gcctaggcag 660
cttcaacctt tgaacttact ttttgaaatg aaaagtaatt tatttgtttt gctacatact 720
gttccagact tttaaagggg acaatgaagg tgactgtggg gaggagcatg tcaggtttgg 780
gcttggttgt tttagaagca cctgggtgtg cctacctact cctcttttct tttaaaaggg 840
cccacaatgc tccaatttcc tgtctccttt agagagacat gaaactatca caggtgctgg 900
atgccataaa aagtttatgt tcct 924

<210> 587
<211> 434
<212> DNA
<213> Homo sapiens

<400> 587

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cttgaggaag agtgagggtt ccaacttttc tgcttatctg ggaggtgttg ggcgcggaca 60
gtcgagatgt cagagaaaaa gcagccggta gacttaggtc tgttagagga agacgacgag 120
tttgaagagt tccctgccga agactgggct ggcttagatg aagatgaaga tgcacatgtc 180
tgggaggata attgggatga tgacaatgta gaggatgact tctctaataca gttacgagct 240
gaactagaga aacatgggta taagatggag acttcatagc atccagaaga agtggttgaag 300
taacctaaac ttgacctgct taatacattc tagggcagag aaccaggat gggacactaa 360
aaaaatgtgt ttatttcatt atctgcttgg atttatttgt gtttttgtaa cacaaaaaat 420
aaatgttttg atat 434

```

<210> 588
<211> 651
<212> DNA
<213> Homo sapiens

```

<400> 588
gcgggcttca gcacactgag ccaagtgcct tctctgtctc acacttgcct tcaggaggcc 60
ggcatcacag aggagagaca cataagaaag ctcttatctg cagccagact cttcaaactg 120
ccgccaggcc ctgaggccat gtagccaggc ccggaatggg cctctctgga caagagccac 180
cctttcactg tgcatatgat gctgatgcaa ttcctccatc atctctggac gtgcagacca 240
gatccagaag aaaggcctgg cgtgtggcca aacagcgtga aaccttggca caggactgag 300
gatcctctcc tccagaaaag cccctcagag gaaataaatt agtgcggttc tctttgacct 360
ccaaagacaa gacaagcact tatttttatt ttcagaagac aaaagaacca agatgccaac 420
tggctgcgaa tgctctatct ccagtctgtc tctgtgtact ggtagaggct gggaggagta 480
gggggcagcc tgttccatth ctgatagtgc ccttgctctt ctgtctgtca tcttgcagga 540
tgcccagagg ccagatgggc ttagctaggc caaagtaaca gactcaagag ttattgtaca 600
ttactgacca cgctcatttg ttcaaaagtt agaacatctg gctgcaccag g 651

```

<210> 589
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 527
<223> n = a,c,t, or g

```

<400> 589
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ccttattttac tagaaaaattg ttcctgceca atctacatct ccacctcacc ccattcttttc 120
ttaagcacta tgtttgtgtt tttatcagta ttatattcat tgtcttttga atacatgttc 180
ttgtttgtgt ttggaaaaaa aatctctttt accagcttgc actcggacca acttggaaaa 240
aaaaaagctt aaatgttttt gctatgtaca gtttaaaaat gtgaagtttg tagctttaac 300
tttttgtaag aaaatctaata aacactggct taagtgtgta cttgaaatgc tattttgtaa 360
ggtttgatg taagtaatca attgagggtc gcagtttgta tgagacatag cttcctccat 420
tgccccact ccttttttct tttttaagtt tgagatgctt cctgtgtttt tatgttagaa 480
ttgttgttct ccttcttttc ttcttctat acctcatcac gtttgnntta aataaactgt 540
cctttggacc ac 552

```

<210> 590
<211> 672
<212> DNA
<213> Homo sapiens

```

<400> 590
gctgcggggt ctggtcttcc tgtcatttgt tgggggtgcgg agactaccag ggagtctgag 60
gatggaagag caccagttcc ggaggagcca gggcagcgaa cacaaagccc cgcattgccc 120
ggcagggttg gagagtcctt ctgcctgcgc agcctgcttg ggttgagaca gcgggatggc 180
ccttgctgcc tggctcacga aagccccctg tgggagagcc ccaggcgcgc agggcatgtg 240
ggttgtggga agagcggttc cccacgcccc ggtgtgggtg aactcgatag aggagggtga 300
caaccaccgg ggggtgctaat tagtaaccac agtggccttc aaagaactca aatgaaagga 360

```

```

agacttgtac gtctctcact ttaagtccag agctagaaat gattaagcct agtgaagatg 420
tagaattttc atagctagag agaagtcaat gcttggcttc aaaacttctt tgaggaccac 480
tgcagctggg gactttaagt tacagccagt gctcattgac cactctgaaa atctcaggac 540
ccttaataat tatgcaaaat ctattctttc tgtgctctag aaatggaaca tcactgtctg 600
ggtgacagca catctgttaa tagcatgggt tactgaatat attaatccca cttattgaga 660
cctactgctc ag 672

```

<210> 591
 <211> 720
 <212> DNA
 <213> Homo sapiens

```

<400> 591
agcggccgct cgcgatctag acccaatggt acagtcattg ttggggaatt agttggagca 60
cggcttattg ctcattgcagg ttctctttta aatttggcca agcatgcagc ttctaccgtt 120
cagattcttg gagctgaaaa ggcacttttc agagccctca aatctagacg ggatacccct 180
aagtatgggc tcatttatca tgcttcactc gtgggcccaga caagtcccaa acacaaagga 240
aagattttct gaatgctggc agccaaaacc gttttggcta tccgttatga tgcttttggt 300
gaggattcaa gttctgcaat gggagttgag aacagagcca aattagaggc caggttgaga 360
actttggaag acagagggat aagaaaaata agtggaacag gaaaagcatt agcaaaaaca 420
gaaaaatatg aacacaaaag tgaagtgaag acttacgac cttctgggtga ctccacactt 480
ccaacctgtt ctaaaaaacg caaaatagaa caggtagata aagaggatga aattactgaa 540
aagaaagcca aaaaagccaa gattaaagtt aaagttgaag aagaggaaga agaaaaagt 600
gcagaagaag aagaaacatc tgtgaagaag aagaagaaaa ggggtaaaaa gaaacacatt 660
aaggaagaac cactttctga ggaagaacca tgtaccagca cagcaattgc tagtccagag 720

```

<210> 592
 <211> 462
 <212> DNA
 <213> Homo sapiens

```

<400> 592
ctcactgctc actgcaacct ctgcctccca ggttcaagca gttctctgtc ttggcctcct 60
gagtagctgg gaccacaggc acacaccacc acgcctggct aatttttgta tttttagtgg 120
agacagagtt tcaccatgtt gaccaggctg gcctaaaacc cctgatctca agtaatctgc 180
ctgcctcggc ctccaaagtg ctggaattac aggcgtaagc actgtgccag gccatttca 240
tgctattctt taaatttact tcctttgtaa atgaagacac tattaatcag tttaatttta 300
atgtgtccaa tagaaactaa atgctaacta tcgattgcat gcttaattac ttttaccttt 360
gtcttaactc tactgttcct tacctaactt tttataacta ctttctgcat ttttgcatct 420
tcattttcca cccatttttg aataataaaa gaaaataaca at 462

```

<210> 593
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> linker sequence

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<400> 593
gaattcggcc aaagaggcct a 21

```

<210> 594
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> linker sequence

<400> 594

gaattcggcc ttcatggcct a

21

<210> 595

<211> 8

<212> DNA

<213> Artificial Sequence

<220>

<223> linker sequence

<220>

<221> unsure

<222> (7)..(8)

<400> 595

gaattcnn

8

<210> 596

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> linker sequence

<220>

<221> unsure

<222> (1)..(9)

<400> 596

nnnnnnnnnc tcgag

15

<210> 597

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> linker sequence

<220>

<221> unsure

<222> (1)..(9)

<400> 597

nnnnnnnnng tcgac

15

<210> 598

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> linker sequence

<400> 598

acggcctctt tggccctcga gaca

24